



REPORT OF THE
Hydro-Electric Power
Commission
OF ONTARIO
1933

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MR. WILLS MACLACHLAN

Wills Maclachlan



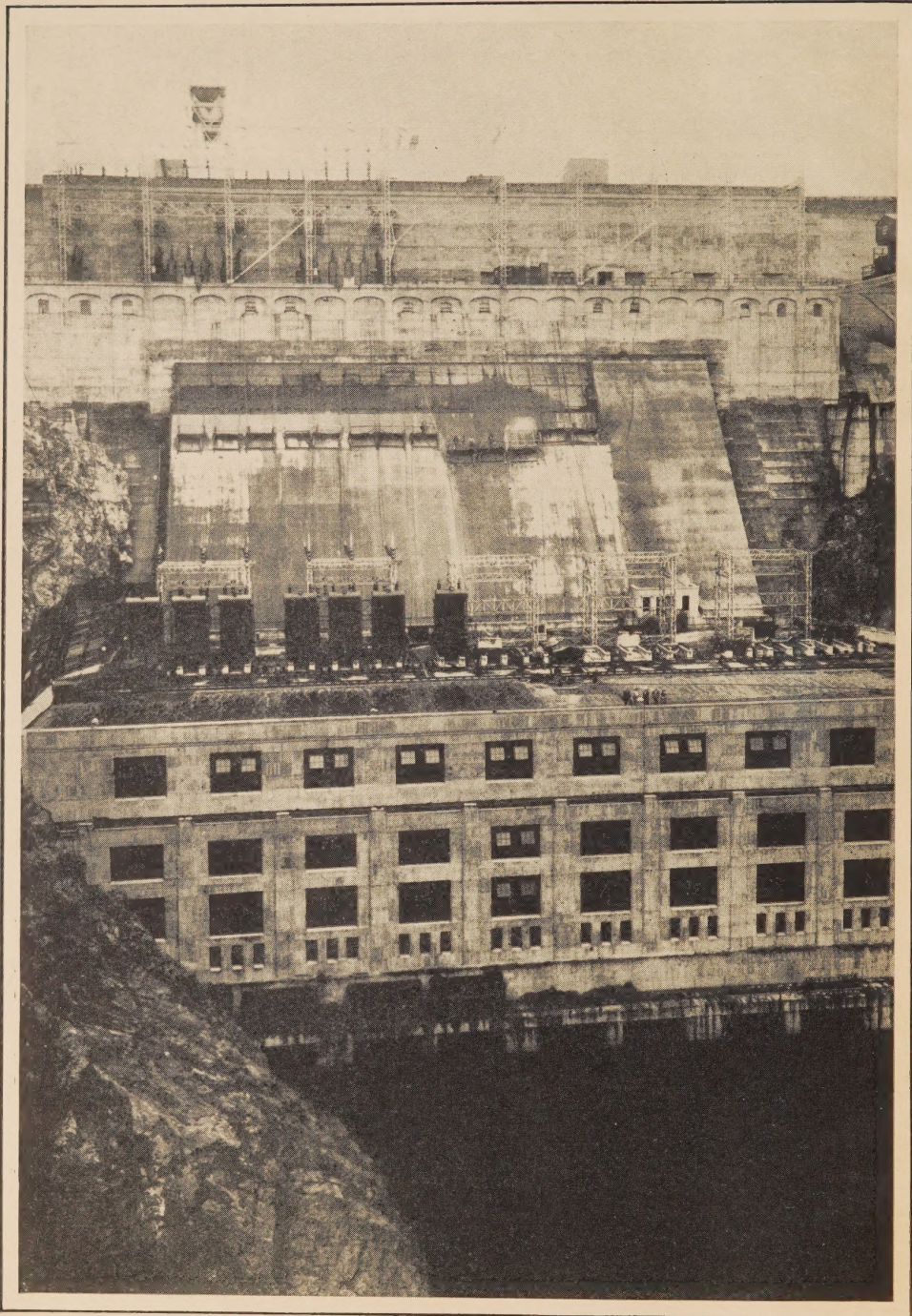
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ABITIBI CANYON POWER DEVELOPMENT

Dam and power house from Canyon walls of tailrace.

The aggregate height of the structure from top of dam to normal tailwater level is about 250 feet.

Note the figures on the top of the power house roof.

*Gov. Doc Ontario Hydro-Electric Power
Ont " Commission
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(TWENTY-SIXTH) ANNUAL REPORT

OF THE

HYDRO-ELECTRIC POWER
COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1933

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

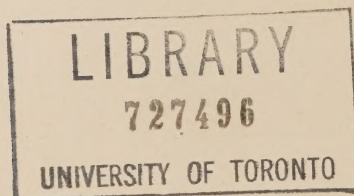
TORONTO

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1934

THE
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

HON. J. R. COOKE, M.L.A..... *Chairman*
C. ALFRED MAGUIRE..... *Commissioner*
RT. HON. ARTHUR MEIGHEN, P.C., K.C..... *Commissioner*
W. W. POPE..... *Secretary*
F. A. GABY, B.A.Sc., D.Sc..... *Chief Engineer*



To His Honour

THE HONOURABLE HERBERT A. BRUCE, R.A.M.C., M.D., F.R.C.S.,
Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to your Honour the Twenty-sixth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1933.

This Report covers all of the Commission's activities and also embodies the financial statements, for the calendar year 1933, of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the citizens of the Province.

Dealing, as it does, with a multiplicity of activities relating to several electrical systems obtaining power from thirty-nine hydro-electrical developments operated by the Commission, supplemented by power purchased from other sources, and recording financial and other data relating to the individual local municipal electric utilities, the Annual Report presents a large amount of statistical information, much of which must, of necessity, be of a summary character.

The financial statements, the statistical data and the general information given, however, are so arranged and presented as to give a comprehensive survey of the Commission's operations. Not only does the Report record the progress made during the past year, but it gives, in addition, certain cumulative results for the various periods during which operation has been maintained in the respective municipalities.

At the end of the fiscal year the number of municipalities served in Ontario by the Commission was 757. This number included 27 cities, 96 towns, 269 villages and police villages and 365 townships. With the exception of 13 suburban sections of townships known as voted areas, the townships and 91 of the smaller villages are served as parts of 171 rural power districts.

Constructional Activities

During 1933 the chief item of constructional work was the completion to its initial operating stage of the Abitibi Canyon development on Abitibi

river. This work was carried out by the Commission for the Provincial Government. A description of the development will be found in Section IV of this Report.

Electrical construction work was confined chiefly to transformer stations for the supply of electric power to a number of Paper Companies to enable them to utilize secondary power in the generation of process steam. The Ontario Paper (Steam) transformer station, Thorold, with a capacity of 67,500 kv-a. in transformers and 90,000-kw. in electric steam generators, was installed and placed in service on February 2, 1933. At the Great Lakes Paper (Steam) transformer station Fort William two 8,000-kw. electric steam generators were installed and placed in service on October 1, 1933. At Provincial Paper (Steam) transformer station Port Arthur two 12,000-kv-a. transformers and two similar capacity electric steam generators are being installed. Further installations of a similar nature are under consideration.

Taking advantage of the relatively smaller amount of construction work many improvements are being made to the stations and equipment on the various systems.

Operating Conditions

The past year's operation of the systems has been satisfactory. Few interruptions to service occurred and failures of equipment were relatively few and not serious in extent.

Rainfall was much below normal and seriously reduced the stream flow and the capacity of the generating plants on the Eastern Ontario and Georgian Bay systems. On the Georgian Bay system the reduction in generating capacity was offset by an increased transfer of power from the Niagara system. On the Eastern Ontario system the low stream flow during certain periods reduced the capacity of all the generating stations on the Trent river to less than 40 per cent of their normal maximum capacity. A severe power shortage would have been experienced if a supplementary supply of reserve power had not been available from the Gattineau Power Co. The Nipissing district also experienced a period of low precipitation, but the storage works constructed by the Commission made it possible for the stream flow to be maintained in volume adequate to supply the demand for power.

The Commission has continued its efforts to protect the life and beauty of trees along the public highways on which power lines are situated. The Commission's Forestry Division employs men especially trained for this work, which has been carried out so as to protect the power lines and give reliable service without seriously impairing the beauty of the trees. The Commission's efforts in this respect have invoked many expressions of appreciation from highway and municipal authorities.

COST OF ELECTRICAL SERVICE FURNISHED BY THE COMMISSION

The function of the Commission is not only to use its best endeavours to provide for the people of Ontario an adequate and reliable supply of electrical energy, but also to ensure that the cost of that electrical energy to the consumers shall be the minimum consistent with the financial stability of the enterprise.

The success that has been attained in the accomplishment of the latter object may be appreciated by a careful study of the actual rates to consumers as presented in Statement "E," and of the statistical data setting forth the results that have been attained for the consumers under these rates, as presented in Statement "D," in conjunction with the various financial statements of the Report.

The bill for retail service rendered, is the practical aspect of Hydro service with which the average consumer is most concerned. It is, therefore, a satisfaction to note that except in a very few cases the rates for service during the period of depression have been maintained at their low levels or have been made lower.

The knowledge that there are substantial reserves of power is a distinct encouragement to the industrial organizations of the Province. Moreover, notwithstanding the generous use made of electrical service by the domestic and rural consumers in Ontario, there is still a large potential market for numbers of electrical appliances which the low cost of electricity makes it economically practicable to use.

Low Rates for Domestic Hot-Water Heating

The slackening in demand for power for industrial purposes has enabled the Commission to encourage further use of power for domestic service. The hot-water heater campaign inaugurated during the year 1933 has been successful and incidentally has resulted in the development of better electric water-heating equipment than was previously available. The heaters are installed without capital cost to the consumer, but even at the low rates approved for their operation the revenue obtained is usually sufficient to defray their initial cost in less than a year. Thereafter their continued use results in increased revenue to the municipal utilities and to the system. From the consumers' standpoint the benefits of this service are greatly appreciated.

LOAD CONDITIONS

The demand for power from the Commission's systems has increased during the year, as shown by the table given below:—

| | October 1932 | December 1932 | October 1933 | December 1933 |
|--|-------------------|------------------|------------------|------------------|
| Niagara system, 25 cycle (Canadian loads only) | 816,505* | 786,059 | 961,059 | 1,060,268 |
| Other systems, total | 239,438 | 251,898 | 311,038 | 379,778 |
| Grand total (Canadian loads only) | <u>1,055,943*</u> | <u>1,037,957</u> | <u>1,272,097</u> | <u>1,440,046</u> |

NOTE.—Power resold to the Gatineau Power Co. is included in the above table. The 1932 figures which are affected are indicated by an asterisk.

Both this table and the table which follows are similar to the tables which appeared in last year's Annual Report. In order to make the 1932 figures strictly comparable with those of 1933 it has been necessary to include in October, 1932, 27,500 horsepower which was resold to the Gatineau Power Company in that month. Further particulars regarding this change are given in the operating section of the Report.

The total Canadian loads during the months of October and December, 1933, were very much greater than the loads for the corresponding months of 1932. The greater part of the increase is in secondary power, the sale of which is of advantage both to the Commission and to industry, so long as it can be supplied. There is, however, an important though less pronounced increase in the primary or firm load which occurred during the latter part of the year and which has been persistently maintained over a considerable period in a way which is most encouraging.

In last year's Report reference was made to the fact that the marked downward trend of load in 1931 had been largely arrested, and that the decrease in 1932 was very slight. During December of 1932 and January of 1933, further decreases occurred, but since April, 1933, the trend has been steadily upward. By the end of the fiscal year, October 31, 1933, all ground lost during the first part of the year had been regained, and the year closed with a net increase. This gain for 1933 seems of special significance when compared with the losses of 1931 and 1932. The load losses of 1931 and 1932 have not yet been completely regained, and the rate of increase for the firm load in 1933 is not as great as the average rate of increase established over a long period of years prior to the depression. Therefore, the effects of the industrial depression are still apparent in the statistics for load during 1933, but after the sharper effects of the depression in 1931 and 1932, it is encouraging to find that 1933 shows actual improvement.

The following tabulation corresponds to that given for several years in this place in the Report, and shows the power supplied to the various systems at the close of the fiscal and calendar years. The figures given show the total load of each system and therefore include power exported as well as secondary power and primary power. The figures given for the Niagara system do not correspond to those shown in the table given above, as the first table covers Canadian load only, exclusive of export, whereas the second table shows the total load including export.

DISTRIBUTION OF POWER TO SYSTEMS

20-MINUTE PEAK HORSEPOWER SYSTEM COINCIDENT PEAK

| System | October 1932 | December 1932 | October 1933 | December 1933 |
|--|-----------------|------------------|-----------------|------------------|
| Niagara system 25 cycle..... | 867,446* | 838,338 | 1,055,697 | 1,134,262 |
| Dominion Power and Transmission system | 43,968 | 48,525 | 45,710 | 51,743 |
| Georgian Bay system..... | 25,666 | 26,424 | 23,887 | 25,496 |
| Eastern Ontario system..... | 80,544 | 86,716 | 86,890 | 116,127 |
| Thunder Bay system..... | 65,700 | 63,800 | 90,450 | 120,000 |
| Manitoulin rural power district..... | ..... | ..... | 80 | 84 |
| Northern Ontario Properties: | | | | |
| Sudbury district..... | } 17,761 | 20,576 | 12,466 | 12,802 |
| Abitibi district..... | | | 45,389 | 46,890 |
| Nipissing district..... | | | 3,539 | 3,901 |
| Patricia district..... | | | 2,627 | 2,735 |
| Totals..... | 1,106,884* | 1,090,236 | 1,366,735 | 1,514,040 |

*NOTE.—Power resold to the Gattineau Power Co. is included in the above table. The 1932 figures which are affected are indicated by an asterisk.

FINANCIAL SUMMARIES

The financial statements embodied in this Report are presented in two main divisions, namely, a division—Section IX—which deals chiefly with the operations of the Commission in the generation, transformation and transmission of electrical energy to the co-operating municipalities; and a division—Section X—which deals with the various operations of the municipal electric utilities in the localized distribution of electrical energy to consumers. In Section IX, "Rural Operating" reports are also given, which summarize the results of the local distribution of rural electrical service by the Commission to the individual consumers in rural power districts. This work is performed by the Commission on behalf of the respective townships co-operating to provide rural service.

The cumulative results of the operation of the several systems of the Commission as set forth in this Report demonstrate a sound financial condition.

CAPITAL INVESTMENT

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is \$285,003,969.26, exclusive of government grants in respect of construction of rural power districts' lines; and the investment of the municipalities in distributing systems and other assets is \$109,657,573.64, making in power and hydro-electric railway undertakings a total investment of \$394,661,542.90.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings:

| | |
|---|-------------------------|
| Niagara system..... | \$201,975,671.41 |
| Chats Falls development..... | 6,167,756.08 |
| Georgian Bay system..... | 8,394,645.25 |
| Eastern Ontario system..... | 19,372,833.44 |
| Thunder Bay system..... | 18,630,772.18 |
| Manitoulin rural power district..... | 32,625.79 |
| Northern Ontario properties..... | 23,790,137.37 |
| Hydro-Electric railways..... | 2,076,924.94 |
| Office and service buildings, construction plant, inventories, etc..... | 4,562,602.80 |
| | <hr/> |
| | \$285,003,969.26 |
| Municipalities distributing systems and other assets (exclusive of \$26,045,679.00 of municipal sinking fund equity in H.E.P.C. system)..... | 109,657,573.64 |
| | <hr/> |
| | <u>\$394,661,542.90</u> |

REVENUE OF COMMISSION

The revenue of the Commission derivable from the municipal utilities operating under cost contracts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the

Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, Manitoulin rural power district and Northern Ontario properties, aggregates \$27,520,853.79.

The following statement shows how this revenue has been appropriated:

| | | |
|--|------------------------|----------------------------|
| Revenue from municipal electric utilities and other power customers..... | \$27,520,853.79 | |
| Operation, maintenance, administration, interest and other current expenses..... | \$27,275,570.17 | |
| Reserves for sinking fund, renewals, contingencies and obsoles- cence provided in the year..... | 4,839,838.70 | |
| | <u>\$32,115,408.87</u> | |
| Less: Appropriated from obsolescence and contingencies reserves | 4,236,606.73 | |
| | | <u>27,878,802.14</u> |
| Net balance charged to municipalities under cost contracts..... | | <u><u>\$357,948.35</u></u> |

In connection with the foregoing statement it should be noted that, in making its annual determinations of costs chargeable for power supplied to the participating municipalities, the Commission for many years has followed a policy which recognizes the desirability of stabilizing the costs per horsepower one year with another. Commencing with 1926 and continuing to 1930, there were included in the amounts set aside to the reserve for obsolescence and contingencies, additional sums designed to care for possible lean years that might come in the future. A proportion of these extra reserves was derived from the profitable employment of system reserve generating equipment. In 1933 the contingency reserve was drawn upon in the case of the Niagara system to the extent of \$4,236,606.73. This relief was given to the municipalities in their cost of power to compensate for the increased costs and reduced revenues in the year. In all other respects the various reserves have continued to be accumulated on the same basis as formerly, with the result that in the aggregate the reserves of the Commission show a net increase for 1933 of \$3,290,453.57 as compared with the totals at the end of 1932.

RURAL ELECTRICAL SERVICE

During the past few years very substantial progress has been made in Ontario in the field of rural electrification. Practically all rural electrical service is now given through rural power districts which are operated directly by the Commission. There is now rather more than \$17,690,000 invested in the rural power district systems established by the Commission. Towards this rural work the Ontario Government, pursuant to its policy of promoting the basic industry of agriculture, has, in the form of grants-in-aid, contributed 50 per cent of the costs of transmission lines and equipment, or some \$8,750,000. A total of 9,244 miles of transmission lines have been constructed to date, of which 326 miles were constructed during the past year. There are now about 62,000 customers supplied in the rural power districts.

RURAL POWER DISTRICTS—OPERATIONS FOR THE YEAR 1933

| | Niagara system | Georgian Bay system | Eastern Ontario system | Thunder Bay system | Mani- toulin rur. power district | Nor. Ont. Nipissing district | Totals |
|--|-------------------|---------------------------|------------------------------|--------------------------|---|------------------------------------|--------------|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Cost of power as provided to be paid under Power Commission Act..... | 810,110.29 | 107,127.66 | 193,481.31 | 3,591.41 | 3,281.25 | 4,115.38 | 1,121,707.30 |
| Cost of operation, maintenance and administration..... | 557,105.44 | 56,844.72 | 121,212.84 | 3,509.95 | 1,447.26 | 2,818.63 | 742,938.84 |
| Interest..... | 294,442.54 | 36,600.19 | 77,164.46 | 2,307.24 | 1,434.09 | 926.80 | 412,875.32 |
| Renewals..... | 251,397.57 | 28,890.44 | 62,925.98 | 1,738.59 | 996.29 | 723.40 | 346,672.27 |
| Obsolescence and contingencies.. | 125,698.79 | 28,890.44 | 31,462.99 | 869.29 | 476.90 | 361.70 | 187,760.11 |
| Sinking fund..... | 66,871.35 | 7,986.56 | 16,863.37 | 457.68 | 285.45 | 194.22 | 92,658.63 |
| Total expenses... | 2,105,625.98 | 266,340.01 | 503,110.95 | 12,474.16 | 7,921.24 | 9,140.13 | 2,904,612.47 |
| Revenue from customers..... | 2,063,370.73 | 236,399.48 | 470,228.73 | 9,275.86 | 6,537.40 | 10,211.29 | 2,796,023.49 |
| Net surplus, all districts..... | | | | | | 1,071.16 | 1,071.16 |
| Net deficit, all districts..... | 42,255.25 | 29,940.53 | 32,882.22 | 3,198.30 | 1,383.84 | ..... | 109,660.14 |
| Net deficit, all systems..... | | | | | | | 108,588.98 |

As indicative of the steady progress being made by co-operative effort between the Commission and the rural consumers in reducing the cost of electrical service, it may be stated that whereas in 1929, 7,700 consumers were being served in 13 rural power districts in which the primary rate was 3 cents per kilowatt-hour; in 1933 more than 21,000 consumers in 23 rural power districts were enjoying a primary rate of 3 cents or less per kilowatt-hour. During the same period the number of consumers in rural power districts where the highest primary rate of 8 cents per kilowatt-hour was in force had diminished, notwithstanding the number of new districts in operation. Most of the consumers in the districts where the primary rate was 3 cents or less per kilowatt-hour had a follow-up rate of 1.5 cents or less per kilowatt-hour, while even the consumers in the districts where the primary rates were highest obtained additional energy over the reasonable class demand minimum at a rate of 2.0 cents per kilowatt-hour. All these rates are, of course, subject to the prompt payment discount of 10 per cent.

MUNICIPAL ELECTRIC UTILITIES

The following is a summation of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

| | |
|---|-----------------|
| Total revenue collected by the municipal electric utilities..... | \$30,627,841.88 |
| Cost of power..... | \$19,330,861.58 |
| Operation, maintenance and administration..... | 5,189,385.78 |
| Interest..... | 2,426,286.35 |
| Sinking fund and principal payment on debentures..... | 2,319,319.09 |
| | 29,265,852.80 |
| Amount available and set aside for depreciation and other reserve purposes..... | \$1,361,989.08 |

The setting-up of the reserves on rates customarily adopted in the past would have required an amount of \$1,989,000.41, which is \$627,011.33 in excess of the amount shown in the foregoing table as available for the present year. In this connection it is important to note that the municipal Hydro utilities provide for the retirement of their capital liabilities by either the instalment or sinking-fund method, and such payments are treated as part of the cost of the service.

RESERVES OF COMMISSION AND MUNICIPAL ELECTRIC UTILITIES

The total reserves of the Commission and the municipal electric utilities for sinking fund, renewals, contingencies and insurance purposes amount to \$129,172,759.94 made up as follows:

| | |
|--|-------------------------|
| Niagara system..... | \$52,380,601.09 |
| Georgian Bay system..... | 2,822,302.39 |
| Eastern Ontario system..... | 5,338,115.82 |
| Thunder Bay system..... | 3,104,669.25 |
| Northern Ontario properties..... | 625,282.56 |
| Nipissing rural power districts and Manitoulin rural power district..... | 7,559.71 |
| Service building and equipment..... | 706,848.99 |
| Bonnechere storage..... | 3,536.97 |
| Hydro-Electric Railways (Guelph)..... | 121,481.78 |
| Insurance, workmen's compensation and staff pensions..... | 4,322,861.69 |
| Total reserves of the Commission..... | \$69,433,260.25 |
| Total reserves of municipal electric utilities..... | 59,736,819.76 |
| Total Commission and municipal reserves..... | <u>\$129,170,080.01</u> |

As has been commented above in connection with the statement of revenues, the total reserves of the Commission increased in 1933 by \$3,287,773.64 over the total for 1932, which was \$66,145,486.61. The fact that the net increase in total reserves was, in 1933, less than in some former years, reflects the advantageous working out of the Commission's policy of cost stabilization, under which withdrawals were made in 1933 from special reserves provided out of revenues of earlier years for that purpose. The net increase in the total of Commission and municipal reserves for the year was \$6,399,976.10.

The consolidated balance sheet of the municipal electric utilities, on page 288, shows a total cash balance of \$1,696,489.24, and bonds and other investments of \$2,163,785.20. The total surplus in the municipal books now amounts to \$41,612,778.64 in addition to depreciation and sundry other reserves aggregating \$18,124,041.12; these two amounts making the total of \$59,736,819.76 shown in the above table.

The following is a brief summary of the principal operations relating to the several systems of the Commission:

NIAGARA SYSTEM

The Niagara system embraces all territory lying between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west served with electrical energy generated at plants on the Niagara and Ottawa rivers, supplemented with purchased power transmitted from plants on the Niagara, Gatineau, St. Lawrence, Ottawa and Lievre rivers. A few municipi-

palities and districts of the Niagara system are served also with power developed at DeCew Falls near St. Catharines.

Arrangements for progressive delivery of increased quantities of power, made some years ago, will furnish power supplies for this system, which, with a moderately rapid return to normal business conditions, should be adequate for the immediate future. In addition to power contracted for with the Gatineau Power Company, and power obtained from the development at Chats Falls which provides the Commission with 192,000 horsepower, the Commission holds contracts for the delivery of additional power, amounting eventually to 250,000 horsepower, to be developed on the St. Lawrence river by the Beauharnois Light, Heat & Power Company, and 125,000 horsepower to be delivered to the Commission as required from a plant on the Lievre river under a contract with the James MacLaren Company, Limited, subsequently assigned to a subsidiary power company known as MacLaren-Quebec Power Company. The first block of 20,000 horsepower to be taken under the contract with the MacLaren-Quebec Power Company was taken July 1, 1933, and the second block of power to be taken from the Beauharnois Light, Heat & Power Company, amounting to 40,000 horsepower, was taken October 1, 1933.

The total capital invested by the Commission on behalf of the co-operating municipalities of the Niagara system amounts to \$208,143,427.49. This amount includes the investment in the power properties purchased from the Dominion Power and Transmission Company (which have been merged with, and now form part of the Niagara system), also the Commission's share of the generating plant at Chats Falls, together with the transformer and switching stations at that point and the transmission lines from the Ottawa river to the Niagara system. The accumulated reserves for renewals, obsolescence, contingencies and sinking fund, aggregate \$52,380,601.09.

From the rural power districts of this system, which are directly operated by the Commission, the revenue received for the year from customers was \$2,063,70.73, and the total cost of supplying the service was \$2,105,625.98, leaving a balance of \$42,255.25, which has been charged to the districts in this system.

With respect to the electric utilities of the various urban municipalities of the Niagara system, the cost of power, as adjusted by the Commission at the close of the year was \$246,061.75 more than the total amount collected at the interim rates and this sum has been charged to the municipal utilities. The total revenue of the municipal electric utilities served by this system was \$25,024,438.69.

After meeting all expenses in respect of operation—including interest—setting up the usual standard depreciation reserve (which amounted to \$1,604,015.63) and providing \$2,108,108.41 for the retirement of instalment and sinking-fund debentures, the total net shortage for the year for the municipal electric utilities served by the Niagara system amounted to \$652,392.31.

GEORGIAN BAY SYSTEM

The territory served by the Georgian Bay system includes that portion of the Province adjacent to Georgian bay and lake Simcoe. The area extends

Errata—The total reserves in text of page xii should be the same as the totalled details, namely, \$129,170,080.01.

The revenue figure in third paragraph on page xiii should be \$2,063,370.73 as on page xi.

The figure of net increase in next to last line of second paragraph on page x should be \$3,287,773.64 as shown in third paragraph of page xii.

from Huntsville in the north to Port Perry in the southeast, and on the west and north it is bounded by lake Huron and Georgian bay. It thus takes in the counties of Bruce, Grey, Dufferin, and Simcoe, and the northern portions of the counties of Huron, Wellington and Ontario, as well as a large portion of the district of Muskoka. The territory served by this system lies immediately north of the Niagara system and west of the Eastern Ontario system.

During the year the distribution system purchased from The Mildmay Electric Company in the village of Mildmay, was sold to the Corporation and a cost contract executed with the latter for a supply of power under the Power Commission Act. The property purchased from The Formosa Electric Light Company last year was reconstructed and merged into the Bruce rural power district.

Electrical energy for the Georgian Bay system is obtained from eleven hydro-electric generating plants at South Falls, Hanna Chute, and Trethewey Falls on the south branch of the Muskoka river, at Bala on the Muskoka river, at Wasdells Falls and Big Chute on the Severn river, at Eugenia Falls on the Beaver river, and at Hanover, Walkerton and Southampton on the Saugeen river. The output of these generating plants is supplemented by the purchase of power from the Niagara system, delivered through frequency changer equipment at Hanover and Mount Forest.

Load conditions in the various municipalities of the system remained practically constant throughout the year in comparison with previous year conditions, although some new load was secured in one of the municipalities during the latter part of the year. The power supplied to summer resort districts forms an important part of the Georgian Bay system load, and the peak demand of this class of business was considerably greater than during last year, although it does not show up in the yearly average due to the fact that it is all supplied during the summer months only.

The lack of rainfall during the summer and fall months of the year seriously affected the stream flow of the rivers on which the various developments are situated, necessitating the purchase of a larger block of power from the Niagara system, than was purchased last year.

The total capital invested by the Commission on behalf of the co-operating municipalities in the Georgian Bay system is \$8,394,645.25 and the accumulated reserves for renewals, obsolescence, contingencies, and sinking fund aggregate \$2,822,302.39.

The revenue received from consumers in the rural power districts of this system directly operated by the Commission was \$236,399.48 and the total cost of supplying service to same was \$266,340.01, leaving a balance of \$29,940.53 to be charged to these districts, as detailed under financial statements in Section IX of this Report.

The actual cost of power supplied by the Commission during the year to the electric utilities of the various urban municipalities of the Georgian Bay system served under cost contracts was \$55,972.57 less than the total collections under the interim rates. This sum has been credited to the various municipalities directly affected. The total revenue of the municipal electric utilities served by this system was \$1,135,255.35, a decrease of \$18,366.96 as compared with the previous year.

After meeting all operating expenses and fixed charges, including interest, and the standard depreciation reserve amounting to \$71,460.00, as well as providing \$59,232.44 for the retirement of instalment and sinking fund debentures, the combined municipal electric utilities of the Georgian Bay system show a net loss for the year of \$2,454.88.

EASTERN ONTARIO SYSTEM

This system serves that part of Ontario lying east of the areas served by the Georgian Bay and Niagara systems. The districts included are the Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska.

Power is supplied from developments owned by the Commission on the Trent Canal system, the Mississippi and Madawaska rivers. Power is purchased from the Gatineau Power Company, the Rideau Power Co. and the Beach Estate at Iroquois. The Cedar Rapids Transmission Company has also been supplying power to the Commission during the year but notice was given of cancellation of this contract on December 31, 1932. No other major changes were made in generation or transmission facilities during the year.

All the municipal distribution properties forming part of the old Electric Power Company properties have now been sold to the municipalities concerned, with the exception of the plants in Millbrook, Newburgh, Newcastle and Orono and the gas plant in Cobourg. The municipality of Orono has entered into negotiations with this Commission for the purchase of the local distribution system.

While the power demands of this system are somewhat less than last year, the amount of purchased power from the Gatineau Power Company and other private companies has been very necessary owing to the shortage of power occasioned by the low water on the Trent river.

The total capital invested by the Commission on behalf of the co-operating municipalities amounts to \$19,372,833.44 and the accumulated reserves for renewals, obsolescence, contingencies and sinking fund aggregate \$5,338,115.82.

The rural power districts of this system, which are directly operated by the Commission, show the revenue received for the year from customers as \$470,228.73 and the total cost of supplying service to be \$503,110.95, leaving a balance of \$32,882.22, which was charged to the districts in this system.

With respect to the electric utilities of the various urban municipalities of the Eastern Ontario system operating under cost contracts, the actual cost of power supplied by the Commission during the year was \$35,131.42 less than the total amount collected at the interim rates and this has been credited to the municipal utilities. The total revenue of the municipal electric utilities served by this system was \$3,142,850.15, a decrease of \$35,906.10.

After meeting all expenses in respect of operation—including interest—setting up the usual standard depreciation reserve (which amounted to \$176,758.10) and providing \$130,523.35 for the retirement of instalment and sinking-fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$82,632.61.

THUNDER BAY SYSTEM

The territory served by the Thunder Bay system lies wholly within the district of Thunder Bay, practically all of the power being utilized by the cities of Port Arthur and Fort William, and the rural sections immediately adjacent thereto, and by the village of Nipigon.

Power is obtained from two hydro-electric developments on the Nipigon river, one at Cameron Falls and one at Alexander, and, in addition to supplying the domestic and commercial requirements of the municipalities mentioned, is used largely by the pulp and paper industry and the grain trade. A marked improvement has taken place in the load supplied on this system, especially during the latter portion of the year, due principally to the increased production by the pulp and paper mills, and also to an extensive use of secondary power sold on an "at-will" basis for the generation of process steam. Contracts already negotiated for the latter class of load, plus power sold on a firm power basis, will, during the coming year, require the entire generating plant capacity of the two developments serving this system. The total investment of the Commission in the Thunder Bay system is \$18,630,772.18, and the accumulated reserves for renewals, contingencies and sinking fund amount to \$3,104,669.25.

From the rural power districts of this system, which are operated directly by the Commission, the revenue received for the year from customers was \$9,275.86, and the total cost of supplying the service was \$12,474.16, leaving a balance of \$3,198.30, which has been charged to the districts in this system.

The cost of power supplied by this system during the year was \$95,683.25 in excess of revenue obtained from the interim monthly billing. This represents a substantial improvement over last year's conditions. A much better showing will be made during the next year when the new contracts previously referred to will be in operation for the full twelve months of the year. The total revenue of the municipal electric utilities in this system was \$1,325,297.69. The municipalities served by this system operated with a net loss of \$54,796.75 after meeting all operating expenses—including interest—and setting up the standard depreciation reserve amounting to \$42,481.14 and providing \$21,454.89 for the retirement of installment and sinking fund debentures.

MANITOULIN RURAL POWER DISTRICT

This rural power district supplies electrical service to the area surrounding the town of Gôre Bay and the hamlet of Mindemoya. Other sections of Manitoulin island, including the town of Little Current, the village of Manitowaning and the hamlet of Shequiandah and adjacent areas, have also made application for service, and various meetings were held for the purpose of submitting information to the communities mentioned. A complete investigation was made with respect to extending lines, and obtaining a supply of power from an additional source for this new load.

At the present time the district is supplied with power purchased from the Kagawong development of the Little Rapids Pulp Company.

NORTHERN ONTARIO PROPERTIES

The area in which are situated the Northern Ontario Properties comprises the entire portion of the Province lying north of lake Nipissing and French river areas, and west of the Quebec boundary, exclusive of the territory served by the Thunder Bay system. The active districts in which power is actually being delivered by the Commission include North Bay and the vicinity, in the district of Nipissing; Sudbury, and the vicinity in the district of Sudbury; Iroquois Falls in the district of Cochrane, and the Red Lake mining camp in the district of Patricia. These various districts are being served under a direct agreement with the Government of the Province. They are not interconnected, and are served under entirely different conditions than those prevailing in the southern and eastern portions of the Province. Many sections in the northern part of the Province are served by independent municipal utilities, and the Commission, during the year, has, upon request, given engineering advice and assistance concerning the operation and maintenance of the local systems, to many of these utilities.

NIPISSING DISTRICT

The area served in this district includes the city of North Bay, the town of Powassan and the unincorporated hamlets of Callander and Nipissing and portions of the townships of Ferris, Himsworth, Nipissing and Widdifield. Power is obtained from hydro-electric developments at Nipissing, Bingham Chute and Elliott Chute on the South river, supplemented when necessary by purchased power from the Abitibi Power and Paper Company's development at Crystal Falls on the Sturgeon river.

Very little change occurred in the demands of this district throughout the year, compared with the previous year; consequently, no generating plant, transformation or transmission changes other than those of a routine nature were required.

SUDBURY DISTRICT

This district includes the area adjacent to the city of Sudbury which is served at 60 cycles from three power developments on the Wanapitei river. Power is supplied for municipal and lighting purposes to the city of Sudbury, and to large mining companies in the Sudbury basin. A substantial increase in load has taken place on this system during the year, due to one of the large mining companies having increased its demand by approximately 50 per cent, in consequence of which the plant capacity of the developments is completely sold, and any further load expansion will have to be taken care of at 25 cycles from the Abitibi Canyon transmission line system, or by the installation of frequency changer sets for transformation from 25 to 60 cycles.

ABITIBI DISTRICT

This district embraces that section of the Province within transmission distance of the Abitibi Canyon development and includes the mining areas adjacent to Sudbury, Timmins and Kirkland Lake. During the year the Commission assumed, on behalf of the Government of the Province, the operation of the Abitibi Canyon development and transmission line system formerly the property of The Ontario Power Service Corporation Limited. Power is being supplied at the present time to a large mining industry at Copper Cliff and nego-

tations have been carried on with a number of mining companies in the Porcupine, Kirkland Lake and Swayze camps, and it is anticipated that a number of these companies will be supplied during the coming year. A contract was completed with The Canada Northern Power Corporation for supplying all of the future load growth of this company for a term of ten years.

PATRICIA DISTRICT

This district comprises the territory included in that portion of the Province lying within the geographical area bearing the same name. At the present time the Commission in this district is operating one power development only. It is situated at the foot of Lac Seul on the English river and power is being supplied to a large gold mine in the Red Lake mining camp. Power is available for any other mining property within transmission distance of this development. A large increase in the load on this development has taken place during the year, due to the mining company served having substantially increased its milling capacity. The total load, averaged over the year, shows an increase of 3 per cent, but the load during the latter part of the year was gradually increasing. The peak load, occurring in October, shows an increase of 28 per cent over the previous year.

A survey was made and an estimate prepared in connection with a development on the Albany river at the foot of lake Joseph for two other mining properties in the Patricia district. It is expected that contracts will be closed early next year, and arrangements made to proceed with the construction of this development.

THE ANNUAL REPORT

The Table of Contents, pages xxv and xxvi, conveys a good understanding of the scope of the matters dealt with in the Report, to which there is also a comprehensive Index. To those not conversant with the Commission's Reports the following notes will be useful.

In Section II, pages 5 to 60, dealing with the Operation of the Systems, are a number of interesting diagrams showing, graphically, the monthly loads on the various systems. Tables are also presented showing the amounts of power taken by the various municipalities in October during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III, on pages 69 to 88. The power distributed to rural districts is, and possibly must always be, but a relatively small proportion of the power distributed by the Commission. The supplying of electrical service in rural areas, and especially on the farm, has, however, been of great economic benefit to Ontario. The Provincial Government grants-in-aid of the capital cost of this work have been of value to agricultural activities, and have assisted the Commission to extend rural transmission lines to many areas.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About one-half of the Report is devoted to financial and other statistical data which are presented in two Sections, IX and X.

Section IX presents in summary form the financial statements relating to the operations of the Commission chiefly in the generation, transformation and transmission of electrical energy to the co-operating municipalities. It is introduced by an important explanatory statement which appears on pages 133 to 137, to which special reference should be made.

Section X presents in summary form the financial statements relating to the operations of the municipalities in the localized distribution of electrical energy to consumers. It also contains details of the costs of electrical energy to consumers in the various municipalities and tabular statements of the rates in force which have produced these costs. An explanation of the various tables and statements is given at the commencement of this Section on pages 281 to 283, and a special introduction to Statement "D," which relates to the cost of electrical service in Ontario, together with a diagram, appears on pages 406 to 409.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements descriptive of the operations of the Commission in various branches of its work are suitably placed throughout the Report in order that the citizens of the Province may be kept fully informed upon the working-out of the Commission's policies.

The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases these enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report of the Commission. Real benefit would result to the "Hydro" undertaking if those who are commenting upon aspects of the Commission's work would first make sure by consulting the Commission's publications that the data upon which their comments are to be based are adequate and pertinent to the subject in hand. By such a course much misrepresentation, as well as inconvenience, would be avoided.

* * *

In closing this summary of the record of Hydro's progress during the past year, and at a time when we are emerging from a period of exceptional economic stress, it is especially fitting to acknowledge the devotion and efficiency that characterize the services rendered by the Commission's staffs. Unquestionably, in both good times and bad times, the municipally-owned Hydro undertaking owes in great measure its outstanding success to the unremitting and competent efforts of the professional and other employees of the Commission and of the municipal utilities, directed as such efforts are towards the constant improvement of the technical operations of the undertaking. The Commission, as trustee charged with providing electrical service for Ontario citizens at minimum costs, has not given its employees remuneration as large as is paid by comparable privately-owned electrical utilities elsewhere, but the Commission has felt that the least it could do in appreciation of the loyalty of its employees was to give them assurance that their security of employment was not subject to arbitrary disturbance. Moreover, continuity of service by a competent staff—a source of strength to any business organization—is, in the case of the Commission's

undertaking with its many unique features and its principle of service at cost, especially necessary. With these considerations in mind, the Commission some years ago established a system of contributory pensions, under which the permanent employees deposit with the Commission sums, which the Commission supplements, in order that the employees may have security in old age after a lifetime of faithful service.

The harmonious relations that have always existed between the Commission and its staff have been greatly promoted by the attitude taken by successive Provincial governments toward maintaining the independence of administration of the Commission as a business enterprise operated in trust for the municipalities. The basic principles established by the founders of the undertaking, and incorporated in the Power Commission Act, give the Commission sole jurisdiction over appointments of staff and all other details of operation, and limit government participation in the municipal undertaking to approval of such matters as capital expenditures and power contracts determined by the Commission to be required in the interests of the municipalities.

It is a matter of sincere satisfaction to me, speaking after more than a decade of service as Commissioner, and, latterly, as Chairman, to be able to affirm categorically that at no time in my term of office has any Ontario Government gone beyond the limits of jurisdiction assigned to it by the Power Commission Act as appropriate to its function of banker for the municipalities. There has been no suggestion of interference with appointments of employees or other matters that are in the exclusive jurisdiction of the Commission. Moreover, every capital expenditure and every power commitment on behalf of municipalities has been made at the instance of the Commission having regard only to the interests of the municipalities, and the Government's participation in such matters has been confined to scrutinizing and approving the Commission's proposals, and assisting in inter-governmental negotiations where necessary. The readiness of successive Governments to co-operate has been of notable value to the undertaking; in the case of rural service the Governmental financial contribution is a factor without which the remarkable expansion in service in recent years could not have been achieved. I am constrained to record these observations here because of the fact that statements intimating the contrary have been publicly but unjustifiably made.

The co-operation manifested by the Press in giving space and services to inform the citizens of Ontario on matters relating to the Commission's work is a valuable safeguard to the welfare of the Hydro undertaking, and the Commission desires again to record its special appreciation of the public-spirited support accorded to its efforts.

Confirming the Commission's announcement, made early in the present year, of its expectation of an improvement in the general adverse conditions against which the Hydro undertaking has had to contend for the last three or four years, it is a gratification to be able, at the time of writing, to state that results thus far evident for 1934 are showing a very substantial betterment over the results for corresponding periods of 1933. The large increases in electrical demands and in revenues that are being experienced afford excellent encourage-

ment. The Commission is confident that, with continuation of present trends, the results of operation of the Hydro undertaking in the next two or three years will furnish complete vindication of the wisdom of the actions it has taken with respect to providing power supplies adequate for the requirements in the early future of the municipalities and industries.

Respectfully submitted,

J. R. COOKE,
Chairman.

TORONTO, ONTARIO, March 31st, 1934.

HON. J. R. CCOKE, M.L.A.,

*Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.*

SIR,—I have the honour to transmit herewith the Twenty-sixth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1933.

I have the honour to be,

Sir,

Your obedient servant,

W. W. POPE,
Secretary

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TWENTY-SIXTH ANNUAL REPORT OF THE Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL

At the 1933 Session of the Legislative Assembly of the Province of Ontario, three Acts relating to the work of the Hydro-Electric Power Commission of Ontario were passed. These are reproduced in full in Appendix I to this report. The short titles to the said Acts are as follows:

- The Power Commission Act, 1933, Chapter 47.
- The Abitibi Canyon Power Development Act, 1933, Chapter 1.
- The Manitoulin Rural Power District Act, 1933, Chapter 28.

The agreements between the Hydro-Electric Power Commission of Ontario and the municipalities and corporations mentioned in the list hereunder given were approved by Order-in-Council dated the 9th day of February, 1934.

| VILLAGES | | TOWNSHIPS | |
|---------------|---------------|---------------|---------------|
| Colborne..... | Dec. 12, 1932 | Carrick..... | Nov. 14, 1932 |
| Mildmay..... | Nov. 30, 1932 | Drummond..... | Sept. 5, 1933 |
| | | Oso..... | Nov. 1, 1932 |
| | | Sarawak..... | Feb. 1, 1933 |
| | | Verulam..... | Mar. 6, 1933 |

| CORPORATIONS | |
|---|----------------|
| American Cyanamid Company..... | Nov. 19, 1932 |
| Falconbridge Nickel Mines Limited..... | Feb. 9, 1933 |
| Firestone Tire & Rubber Company of Canada Limited..... | Nov. 1, 1932 |
| His Majesty The King, in the right of the Province of Ontario (re Mimico Asylum)..... | Aug. 1, 1932 |
| His Majesty The King, in the right of the Province of Ontario (re Ontario Reformatory)..... | Aug. 1, 1932 |
| Interlake Tissue Mills Co. Limited..... | Sept. 11, 1933 |

CORPORATIONS—Continued

| | |
|--|---------------|
| The International Nickel Company of Canada Limited and The Huronian Company Limited..... | Dec. 23, 1932 |
| National Trust Company Limited, Receiver and Manager of Great Lakes Paper Company Limited..... | June 14, 1933 |
| Northern Empire Mines Company Limited..... | May 27, 1933 |
| Page-Hersey Tubes Limited..... | Jan. 30, 1933 |
| Provincial Paper Limited..... | July 19, 1933 |
| Provincial Paper Limited..... | Sept. 1, 1933 |
| Strathcona Paper Company Limited..... | Jan. 1, 1933 |

Right-of-Way**Rural Power Lines**

Wood-pole lines and extensions were constructed in the following rural power districts during the year: Alexandria, Amherstburg, Aylmer, Ayr, Baden, Bala, Barrie, Baysville, Beamsville, Beaumaris, Beaverton, Belleville, Bowmanville, Brant, Brockville, Bruce, Caledonia, Chatham, Chesterville, Clinton, Cobourg, Colborne, Delaware, Drumbo, Dundas, Elmira, Essex, Fenelon Falls, Fort William, Galt, Georgetown, Grantham, Guelph, Hawkestone, Huntsville, Ingersoll, Iroquois, Kemptville, Keswick, Kingston, Kingsville, Lakefield, Lindsay, London, Manitoulin, Markdale, Markham, Martintown, Maxville, Millbrook, Napanee, Nepean, Newcastle, Newmarket, Norwood, Orangeville, Oshawa, Owen Sound, Perth, Peterborough, Petrolia, Port Arthur, Prescott, Preston, Renfrew, St. Marys, St. Thomas, Simcoe, Smiths Falls, Sparrow Lake, Stirling, Strathroy, Streetsville, Tara, Thamesville, Trenton, Wallaceburg, Walsingham, Waterdown, Waterford, Welland, Wellington, Williamsburg, Woodbridge, Woodstock.

The practice, as in the past, has been to construct these lines on public highways or roads where at all possible, but in a few cases, owing to local conditions and the desire to avoid cutting trees, it has been found advisable to place the lines on private property. In such cases the necessary right-of-way has been acquired and compensation made for tree trimming or cutting.

There have also been a number of cases where, owing to road improvement work being carried out by the Department of Public Highways or County Road Commissions, it has been found necessary to change the location of existing pole lines. In all such cases satisfactory arrangements have been made with the department or commission having control of the roads in question.

High and Low Tension Wood-Pole Lines

Construction work has been carried out on the following high- and low-tension wood-pole lines, and the necessary rights-of-way and tree trimming rights have been secured during the year:

Trenton to Belleville.
Colborne to Cobourg.
Auburn to Lakefield.
Oshawa to Toronto.
Norwood to Havelock.
Warkworth to Newcombe.
Newcombe to Welcome.
Welcome to Oshawa.

Port Hope to Newcastle.
Bowmanville to Oshawa.
Napanee to Bath.
Delora to Marmora.
Smithville to Stoney Creek.
Burlington to National Fire Proofing Junction.
Kilsyth to Derby Mills.

High and Low Tension Wood-Pole Lines—Continued

Walkerton to Mildmay.
 Durham to Mount Forest.
 Meaford to Collingwood.
 Kilsyth to Owen Sound.
 Melancthon to Amaranth.
 Fraxa to Orangeville.
 Ragged Rapids to Bala.
 Erbs Junction to Hanover.
 Cornwall to Winchester.
 Williamsburg to Winchester.
 Lynn to Athens.
 Winchester to Cardinal.
 Dominionville to Alexandria.
 Utterson to Huntsville.
 Dominion Junction to Maxville.
 Utterson to Windermere.
 Muskoka Beach Junction to Muskoka Beach.
 Windermere to Rosseau.
 Dundas to Caledonia.
 London to St. Thomas.
 Guelph to Preston.
 Kitchener to Stratford.
 Kitchener to Waterloo.
 Stratford to Sebringville.
 Glengarry Junction to Glengarry Distributing Station.
 Woodstock to Dufferin.
 Woodstock to Beachville.
 St. Thomas to Kent.
 St. Thomas to Sarnia.
 Brant to Brantford.
 Brant to Paris.
 Paris to Ayr.
 Ayr to Drumbo.
 Cooksville to York Transformer Station.
 Kent to Essex.
 Winchester to Williamsburg.
 St. Jacobs Distributing Station to Elmira.
 Essex to Maidstone.
 York Transformer Station to Weston.
 York Transformer Station to New Toronto.
 Wiltshire Avenue to Weston.

Kitchener Transformer Station to Erbs Junction.
 Welland to Port Colborne.
 Erbs Junction to Stratford.
 Fletcher to Tilbury.
 Lythmore to DeCewsville.
 Dundas to Binkley's Corners.
 Ontario Gypsum Company to Hagersville.
 York Mills to Newmarket.
 Danforth Junction to West Hill.
 Andrews Junction to Pottageville.
 Langstaff to Mount Joy.
 Dorchester Distributing Station to Dorchester.
 Acton to Cheltenham.
 Ontario Agricultural College (Guelph) to Elora.
 Harbour Hill to Goderich.
 Sebringville to Milverton.
 Milverton to Listowel.
 Listowel to Palmerston.
 Harriston Junction to Harriston.
 Beachville to Embro.
 Norwich to Otterville.
 Mount Vernon to Burford.
 Paris to Burford.
 Britannia Junction to Streetsville.
 Tilbury Junction to Fletcher.
 Ridgetown to Rondeau.
 Prince Albert to Ridgetown.
 Como Junction to Dominion Sugar Company.
 Prince Albert to Como.
 Fletcher to Merlin.
 Leamington Junction to Leamington Distributing Station.
 Kleinburg Distributing Station to Bolton.
 Arnprior to Galetta.
 Burnstown to Arnprior.
 Kirkfield Junction to Kirkfield Distributing Station.
 North Bay to Sturgeon Falls.
 Smoky Falls to North Bay.

Substation Site

A site for a substation in connection with the Markham rural power district was purchased during the year at Ringwood.

220,000-Volt Lines

The work of completing settlements for right-of-way, tree rights, damages, etc. has been carried on during the year on the Gatineau high-tension lines, and on the line between Chats Falls and Cumberland Junction, and between Cumberland Junction and the Inter-provincial Boundary.

In a few cases where settlements could not be arrived at by negotiation, the owners have called upon the official valuator to file his award. These awards have been accepted by the owners in all cases, no appeals having been entered.

General

During the year the operation of the Brantford and Hamilton Electric Railway was discontinued, and as the right-of-way was no longer required, efforts were made to dispose of it to the owners of the adjoining lands. In a great majority of cases satisfactory arrangements have been made with such owners to take over this right-of-way.

As the Commission was not successful in acquiring by negotiation the lands owned by the Kingdon Mining, Smelting & Manufacturing Company in the Township of Fitzroy, the matter was referred to the Ontario Municipal Board for arbitration. These arbitration proceedings were quite prolonged, involving sittings of the Board for forty-three days. The Board's award was finally filed, and has been accepted by both parties, and the matter has been closed.

In a number of cases surplus lands not required by the Commission in connection with its works have been disposed of.

SECTION II

OPERATION OF THE SYSTEMS

The past year's operation of the systems has been satisfactory. Few interruptions to service occurred, and failures of equipment were relatively few and not serious in extent. On June 7, 1933, a storm of extreme severity, accompanied by high winds, lightning and rain, caused damage in many districts between London, Toronto and Niagara Falls. Twelve steel towers collapsed during the storm, and damage was done to various low-tension lines, and to some of the station equipment connected to them, the total cost of repairs approximating \$27,000. With this exception there were no failures of lines or apparatus which resulted in extensive disturbances to service. In another part of this section details will be found regarding such failures of equipment as occurred in the ordinary course of operation, together with an outline of the repairs made and the maintenance work carried out.

The Eastern Ontario and Georgian Bay systems suffered from a lack of rainfall which reduced the stream flow and the capacity of the generating plants. On the Georgian Bay system the reduction in generating capacity was offset by an increased transfer of power from the Niagara system. On the Eastern Ontario system the low stream flow during certain periods reduced the capacity of all the generating stations on the Trent river to less than 40 per cent of their normal maximum capacity, and a severe power shortage would have been experienced if a supplementary reserve supply of power had not been available from the Gatineau Power Co. The Nipissing district also experienced a period of low precipitation, but the storage works constructed by the Commission made it possible for the stream flow to be maintained in volume adequate to enable the generating plants to supply the demand for power.

It has been customary in this section of the Report to give a summary of load conditions. A load graph is given in connection with each system, showing the load month by month throughout the year, and extending back over a period of time depending on the age of the system and the records available. These graphs may be consulted for details regarding the load on each system, the following remarks dealing mainly with the total load of the Commission, that is, the combined load of the systems.

In an enterprise as large as that of the Commission increases are apt to occur at one point while decreases occur at another point. Under such conditions broad generalizations cannot be expected to hold true in all cases, and to avoid

any possibility of misunderstanding or appearance of inaccuracy, attention is called to the importance of treating the statements given herein as applying only to the combined total of the systems' load, or to that section of the load specifically referred to in the text.

In the fiscal year ending October 31, 1933, the total load of the Commission, for all systems combined, amounted to 4,612,000,000 kw-hrs., exceeding that of 1932 by 171,000,000 kw-hrs., as shown in the table of power generated and purchased given on the next page.

Of more importance than this increase in the average load for the year, is the upward trend of load which became apparent during the latter half of the year. In last year's Annual Report reference was made to the reduction in load which had occurred during the depression. In that Report it was pointed out how the downward trend appeared in 1930 and continued throughout 1931, but in 1932 the rate of decrease was checked, the reduction for 1932 being only 1.2 per cent as against a decline of 15 per cent during 1931. During the months of December, 1932, and January, 1933, there was a marked slump in the total load, to which a downward trend in the primary load and a loss of secondary load both contributed. In February a substantial block of secondary power was added, which very largely compensated for the decreases in both primary and secondary power during the previous months. In July a very substantial increase was made in both primary and secondary load, and further increases occurred during the succeeding months.

During the last four months of the fiscal year 1933, the total load exceeded that of the corresponding months of the previous year by about 245,000,000 kilowatt-hours. In consequence, the decreases during the earlier part of the year were more than off-set by the increases during the latter part of the year, and the complete year shows a net increase of 171,000,000 kilowatt-hours.

In October, 1933, the total peak load of the Commission reached the high figure of 1,366,000 horsepower, an increase of 23 per cent over the corresponding month of the previous year. This is the highest load ever carried by the Commission, in any month, either before or since the beginning of the depression.

The above figures should not be used as an indication of business conditions in the Province, or for the purpose of forecasting load during the coming year, without proper allowance for the quantity of secondary power included therein.

"Secondary" power is a term applied to power which is sold subject to unlimited interruptions, to reduction or to complete withdrawal, at any time it is required for use by municipalities, or for the maintenance of the supply of firm power. During 1933, the Commission was able to effect the sale of large blocks of power on this basis, mainly for the generation of steam by electricity. Under these arrangements energy from Canadian water powers is utilized and replaces large quantities of imported coal. In connection with such use, it has not been necessary for the Commission to supply any additional generating equipment, and the power is still effective as a system reserve for "firm power" customers, and is available to meet their demands at any time.

Recent developments in the sale of secondary power have made it necessary this year to present in a somewhat different manner the figures relating to certain power which has been sold for the purpose of steam generation. Prior

to 1930 the rapid growth of the Commission's loads had prevented the provision of a suitable amount of reserve capacity, and consequently the amount of secondary or off-peak power sold was relatively small. From October, 1930, to October, 1932, inclusive, a block of power was "resold" to the Gattineau Power Company to be used for steam generation. This transaction was reflected, in the statistics presented, in a reduction of the power purchased from the Gattineau Power Company, because it was the equivalent of a temporary and revocable reduction in capacity, and as at that time no secondary power was distributed in Ontario, it did not seem appropriate to include the contract power thus temporarily relinquished, as an addition to the system load figures. During 1933, in which year the sale of substantial quantities of secondary power began in Ontario, the resale to the Gattineau Power Company also recommenced. Since it is necessary to include Ontario's new load of secondary power in the figures for total load, and since the resale to the Gattineau Power Company represents secondary power which is similar both in the characteristics of being subject to immediate and unlimited interruptions and in the use to which it is put, it appears to be appropriate and necessary now to include this "resale" power in the figures for total load. In making comparisons, therefore, of certain loads for 1933 and for 1932 it has been necessary to show them both on the same basis and, in some cases, this has required revision in the 1932 figures to which attention has, herein, been directed.

In general it is only industries consuming relatively large quantities of power which can utilize secondary power. During the past year the Commission has been in a position to offer sufficiently large blocks of power to make the use of this class of power attractive to certain industries, and since February, 1933, the secondary load in Ontario, which was previously of negligible proportions, has been built up to an extent which materially affects the statistics for the total load. While it is hoped that this class of load will always be continued as a source of revenue from reserve generating capacity, it is subject to wide and irregular fluctuations according to load and business conditions, and should not be included in any study of the firm load trend, nor should it be included in any statistics of electric power consumption which are intended for use as an index of business conditions generally. The firm load is of a different nature and is generally regarded as an excellent business index, due to the fact that such power is used by so many of the factories, stores and residences throughout the districts served. It is not subject to the irregular fluctuations of secondary power.

For the above reasons it is of interest to compare the Commission's firm load in Ontario during 1933 with that of the previous year, omitting all secondary and export power.

In September and October, 1932, the firm load showed the usual seasonal increases. This continued during the month of November, 1932 (which forms the first month of the past fiscal year 1932-33). However, in December, 1932, the firm load showed a definite downward trend which continued until May, 1933. This downward trend was more marked than the usual seasonal decline of load, which normally begins in February and continues until some time in August.

In May, 1933, the downward trend terminated, and an upward movement commenced, which was of an even more marked character than the downward trend of the previous months. This upward trend continued consistently from

**TOTAL POWER GENERATED AND
HYDRO-ELECTRIC GENERATING PLANTS**

| Generating plants | Maximum normal plant capacity Oct. 31, 1933, horsepower | Peak load during fiscal year 1932-1933 horsepower | Total output during fiscal year 1932-1933 kilowatt-hours |
|--|---|---|--|
| Niagara system | | | |
| Queenston-Chippawa—Niagara river..... | 500,000 | 461,126 | 1,834,328,000 |
| "Ontario Power"—Niagara river..... | 180,000 | 119,303 | 145,624,000 |
| "Toronto Power"—Niagara river..... | 150,000 | 70,375 | 64,521,000 |
| Chats Falls—Ottawa River (Commission's half)..... | 96,000 | 94,504 | 124,024,550 |
| Dominion Power and Trans. system* | | | |
| Decew Falls—Welland Canal..... | 50,000 | 42,091 | 97,082,300 |
| Steam Plant—Hamilton..... | 24,000 | ..... | 24,800 |
| Georgian Bay system | | | |
| South Falls—South Muskoka river..... | 5,600 | 6,011 | 20,495,760 |
| Hanna Chute—South Muskoka river..... | 1,600 | 1,609 | 6,676,800 |
| Trethewey Falls—South Muskoka river..... | 2,300 | 2,145 | 8,925,600 |
| Bala No. 1 and 2—Muskoka river..... | 600 | 583 | 2,224,344 |
| Big Chute—Severn river..... | 5,800 | 5,791 | 16,396,920 |
| Wasdells Falls—Severn river..... | 1,200 | 1,227 | 3,403,240 |
| Eugenia Falls—Beaver river..... | 7,800 | 7,614 | 17,794,960 |
| Hanover—Saugeen river..... | 400 | 382 | 104,524 |
| Walkerton—Saugeen river..... | 500 | 503 | 1,307,100 |
| Southampton—Saugeen river..... | 300 | 0 | 0 |
| Eastern Ontario system | | | |
| Sidney-Dam No. 2—Trent river..... | 4,500 | 3,619 | 7,826,700 |
| Frankford-Dam No. 5—Trent river..... | 3,500 | 1,810 | 225,500 |
| Meyersburg-Dam No. 8—Trent river..... | 7,000 | 7,507 | 11,160,530 |
| Hague's Reach-Dam No. 9—Trent river..... | 4,500 | 4,625 | 7,245,700 |
| Ranney Falls-Dam No. 10—Trent river..... | 10,500 | 10,456 | 13,937,820 |
| Seymour-Dam No. 11—Trent river..... | 4,200 | 3,150 | 7,981,130 |
| Heely Falls-Dam No. 14—Trent river..... | 15,300 | 15,282 | 20,118,400 |
| Auburn-Dam No. 18—Otonabee river..... | 2,400 | 1,984 | 6,467,050 |
| Fenelon Falls-Dam No. 30—Sturgeon river..... | 1,000 | 938 | 1,410,300 |
| High Falls—Mississippi river..... | 3,000 | 3,117 | 4,263,720 |
| Carleton Place—Mississippi river..... | 400 | 375 | 11,848 |
| Calabogie—Madawaska river..... | 5,400 | 1,588 | 4,433,951 |
| Galetta—Mississippi river..... | 1,100 | 402 | 12,660 |
| Thunder Bay system | | | |
| Cameron Falls—Nipigon river..... | 73,500 | 48,700 | 115,494,000 |
| Alexander—Nipigon river..... | 50,000 | 48,200 | 173,030,400 |
| Northern Ontario properties | | | |
| Nipissing district | | | |
| Nipissing—South river..... | 2,100 | 2,366 | 4,728,040 |
| Bingham Chute—South river..... | 1,200 | 1,307 | 3,040,800 |
| Elliott Chute—South river..... | 1,700 | 1,910 | 3,989,000 |
| Sudbury district | | | |
| Coniston—Wanapitei river..... | 5,900 | 5,563 | 16,322,328 |
| McVittie—Wanapitei river..... | 2,900 | 2,882 | 12,076,344 |
| Stinson—Wanapitei river..... | 7,500 | 6,233 | 17,335,704 |
| Patricia district | | | |
| Ear Falls—English river..... | 4,000 | 2,627 | 10,679,000 |
| Abitibi district | | | |
| Abitibi Canyon—Abitibi river..... | 55,000 | 45,389 | 30,950,000 |
| Total generated..... | 1,292,700 | † | 2,815,674,823 |

*In process of incorporation with the Niagara system.

†Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These in the case of each system must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak Load" is not totalled.

PURCHASED—ALL SYSTEMS

POWER PURCHASED

| Power source | Contract amount horsepower Oct. 31, 1933 | Total purchased kilowatt-hours |
|---|--|--------------------------------------|
| Canadian Niagara Power Co.—25 cycle..... | 20,000 | 95,132,300 |
| Gatineau Power Co.—25 cycle..... | 260,000 | 1,074,498,785‡ |
| Ottawa Valley Power Co..... | 96,000 | 124,024,550 |
| Beauharnois Light, Heat and Power Co..... | 75,000 | 157,340,000 |
| McLaren Quebec Power Co..... | 20,000 | 28,835,800 |
| Canadian Niagara Power Co.—For D.P. & T. 66-cycle system. | 10,000 | 57,855,000 |
| Campbellford Water & Light Commission§..... | 7,500 | 29,779,500 |
| Cedars Rapids Power Co..... | 500 | 831,600 |
| M. F. Beach Estate..... | 487 | 2,822,800 |
| Rideau Power Co..... | 20,000 | 63,660,600 |
| Ottawa & Hull Power & Mfg. Co..... | 36,000 | 128,241,500 |
| Gatineau Power Co.—60 cycle..... | ..... | —734,530 |
| Orillia Water, Light & Power Commission§..... | 150 | 99,200 |
| Manitoulin Pulp Co..... | ..... | 34,054,060 |
| Ontario Power Service Corporation..... | ..... | ..... |
| Total purchased..... | 545,637 | 1,796,441,165‡ |
| Power purchased, contract amount, 1933..... | 545,637 horsepower | |
| Maximum normal plant capacity, 1933..... | 1,292,700 | " |
| Total available capacity generated and purchased, 1933..... | 1,838,337 | " |
| Total available capacity generated and purchased, 1932..... | 1,760,052 | " |
| Difference (increase)..... | 78,285 | " |
| Total energy purchased, 1933..... | 1,796,441,165 kilowatt-hours‡ | |
| Total energy generated, 1933..... | 2,815,674,823 kilowatt hours | |
| Total energy generated and purchased, 1933..... | 4,612,115,988 kilowatt hours‡ | |
| Total energy generated and purchased, 1932..... | 4,440,447,470 kilowatt hours‡ | |
| Difference (increase)..... | 171,668,518 kilowatt hours | |

‡Includes secondary power resold to the Gatineau Power Company.

§Reciprocal arrangement for surplus power.

CAUTION: The figures for "Maximum Normal Plant Capacity" reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in the limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time. It will be noted that several revisions have been made in the ratings shown this year, the capacity of some plants being rated lower and others higher.

It will be noted that the capacity of the Queenston plant appeared in last year's Report as 522,000 horsepower and is herein reduced to 500,000 horsepower. The reduction in peak capacity is a consequence of operating the plant at a high daily load factor in order to obtain a maximum of energy from the water allowable under the Boundary Waters Treaty. At lower daily load factors the maximum peak capacity is substantially higher.

It is particularly important to bear in mind that the column headed "Maximum Normal Plant Capacity" cannot be taken as an indication of the dependable capacity of the various plants; in some cases it is, but in many cases it is not. As an illustration it may be noted that while under favourable circumstances the plants of the Eastern Ontario System, taken collectively, might supply a peak demand equal to or even in excess of the sum of their maximum normal ratings, the maximum output which could be obtained from them during part of the month of October, 1933, was only about 40 per cent of this rating.

Chief among the factors which govern the maximum dependable capacity of a hydraulic power plant and which are not reflected in column headed "Maximum Normal Plant Capacity" are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

month to month. By June practically all lost ground had been regained, and in October the firm load was higher than in the corresponding months of 1932 or 1931, although still slightly below 1930 which was the record year for all time. This steady upward trend of the firm load in Ontario during the latter half of 1933 was one of the most encouraging features of the load situation. During the months of November and December the normal seasonal increases in firm load occurred; thus the gains made during the latter part of the fiscal year were retained.

While the above comments refer to the Commission's load on all systems combined, somewhat similar remarks might be made for each system, although there are special variations. In the following sub-sections each system is reported individually, and load graphs are given showing the load month by month.

The graphs for the Niagara, Eastern Ontario, and Thunder Bay systems, and for the Sudbury, Abitibi and Patricia districts, all show the encouraging upward trend during the latter part of the year. The Georgian Bay system and the Nipissing district do not share in this gain, but the load continued around the same levels as during the previous year. It will be noted that these latter systems did not suffer the marked decline of other systems in the earlier years of the depression. While not yet showing any upward trend, they were later in showing any downward trend, and have little ground to regain.

Forestry

The Forestry division's diagnosis of trees on Ontario highways along which the Commission's power and telephone lines extend continues to reveal hitherto unknown hazards to life, property and service. The reproduction of two photographs given herein illustrates only one of the numerous cases which are being found on road allowances and on private property adjacent to the Commission's lines and to the travelled highways. The Department of Highways, county, township and municipal authorities, as well as all property owners, are advised of the condition of such trees as these and arrangements made to remove the menace.

Forestry squads have been continuously employed on the Niagara system throughout the year, operations being carried on in practically all districts, over 1,114 miles of transmission and high-tension telephone lines. Georgian Bay system operations were carried on over a period of six months, and embraced 128 miles of transmission lines in Eugenia, Severn and Wasdells districts. Eastern Ontario system operations involved 31 miles of transmission line in the St. Lawrence and Central Ontario districts. Some work was done to provide adequate clearance for reconstruction required by the Transmission and Distribution sections of the Engineering department.

The work involved in all forestry line-clearance operations, over approximately 1,300 miles of Commission-owned power and telephone lines on all systems, cost \$87,385, including labour, tree wound dressing, cabling and other materials as well as travelling expenses and similar Forestry division overhead.



A MENACE TO LIFE, PROPERTY AND SERVICE

White pine tree standing alongside the Commission's transmission line on the King's Highway No. 11

LEFT: View of base cavity through which fungus entered, destroying the sap and heartwood far up into the trunk

RIGHT: View of highway, low-tension line and tree

OPERATING DEPARTMENT—FORESTRY DIVISION

The work and costs may be classified as below:

| | Quantity | Total cost | Average cost |
|--|-----------------------------------|------------|--------------|
| Underbrushing..... | 2,239 pole spans (or 63 miles) | \$3,732 | \$1.66 |
| Tree removals..... | 12,878 trees | 29,104 | 2.26 |
| Line clearance, shaping and corrective pruning.. | 36,046 trees | 54,549 | 1.51 |
| Total..... | 48,924 trees | \$87,385 | .... |

It will be noted that this year the costs of underbrushing and tree removal have been segregated, whereas in previous years these items were included in the total costs and the average cost per tree. The overall cost per tree this year shows a slight reduction.

The following is a brief explanation of the work involved in line clearance, shaping and corrective pruning:

- (a) The cutting of twigs and branches back to laterals, and the removal of all dead wood, to clear lines;
- (b) Corrective trimming by removal of all unsightly diseased stubs, to improve the health and appearance of the tree;
- (c) Cabling of structurally weak or splitting crotched trees, and of heavy overhanging limbs that could not be removed without impairing the symmetry of the tree, for the protection of the Commission's lines and of the travelling public.
- (d) Shaping tree by trimming branches beyond area required for line clearance, to preserve symmetry of the tree.

It is estimated that the extensive corrective trimming, shaping, cabling, and removal of dead wood required for the first operation on each line costs at least fifty per cent more than pruning for line clearance only. On this basis the cost of pruning for line clearance alone would amount to about \$1.00 per tree.

Before undertaking pruning operations or tree removals on highways, forestry foremen interview both the adjacent property owners and the municipal authorities. While this procedure is necessary to secure co-operation and harmony, it will be appreciated that it adds to the cost of the operations, and such cost is included in the above figures.

The Forestry division has given the Operating department district patrolmen some practical training in the scientific methods of pruning trees for line clearance so that they might become qualified to do this work when required. During the past year twenty different patrolmen have reported for training while forestry operations were in progress in their respective districts. Six completed training and were approved. The others were either called for important line work or forestry operations were suspended in the district before training was completed. They will continue training when forestry operations are re-opened in the district.

During the past year, four municipal Hydro systems have availed themselves of the opportunity to employ the Commission's Forestry Division service. They report that their commissions and the local property owners are highly pleased with the quality of work done and with the efficiency of the foresters in carrying on this hazardous class of work without requiring or causing service interruptions. This work involved only line clearance pruning, and the removal of all dead wood, to clear low-voltage lines. No corrective pruning, extensive shaping, or cabling, and only a small percentage of tree removals were required. The trees diagnosed as diseased and dangerous were to be removed by the unemployed. This type of pruning for local distribution lines is vastly different from the clearance required on 10,000-volt to 60,000-volt power transmission lines. The four municipal operations combined involved pruning 812 trees at a total cost of \$722, an average cost of 89 cents per tree.



OPERATING DEPARTMENT—FORESTRY DIVISION
CROWN AND SIDE PRUNING

Tree pruned for line clearance and appearance. Only crown and side pruning was required for line clearance, but to avoid destroying the symmetry of this tree, the lower branches were trimmed on the line and opposite side of tree, increasing the cost but preserving appearance

A complete survey of all trees within the corporate limits has been made for several other municipal Hydro systems who later contemplate the use of this service. One of these surveys revealed the fact that of a total of 1,303 trees inspected, 101 were diseased and dangerous to life and property. Through co-operation with the municipal authorities, these latter trees are being removed by the unemployed as a relief measure.

In co-operation with the Ontario Forestry Branch, the Queenston-Chippawa Canal reforestation project was undertaken two years ago to establish a tree-lined area on both banks of the canal. This was done primarily to eliminate drifting snow and ice, as well as other debris, getting in to the canal, and to protect the steep banks from erosion. A rather high mortality among the trees resulted from the drouth of the last two seasons. It was, therefore, necessary to replace approximately 20,000 trees. The areas immediately surrounding the seven bridges are being developed by informal group planting. Approximately 7,500 conifers of the following species were planted this year:—white cedar,

Austrian pine, larch, Scotch pine, white spruce, Jack and Muhgo pine. The total cost of this year's reforestation and informal development of bridge approaches amounted to \$727.

Many letters have been received commending the Commission upon the success of its efforts to protect trees along the highways, and to preserve their beauty as well as the scenic effect. This is especially gratifying in view of the difficulty of preserving the beauty of the trees without sacrificing the clearance necessary for satisfactory transmission line operation.

An expression of gratitude is due the Department of Highways, county, township and municipal officials, as well as various property owners, for their kind co-operation which has made it possible for this work to be carried on harmoniously in all parts of the Province.

Radio Communication

The commission's short-wave stations at Toronto, Cameron falls and Ear falls have continued in service all year with no important changes in equipment. There has not been as much interference from atmospheric and other causes as was experienced in 1932, and communication between Toronto and the stations mentioned has been maintained on a regular schedule.

NIAGARA SYSTEM

Generating Stations

Queenston Station

Systematic inspection and maintenance of all apparatus and parts were carried out in accordance with the regular schedules, and in this connection generator and turbine units were removed from service as noted below.

Number 1 generator and turbine unit were out of service from June 5 to June 23. During this period the governor was dismantled, worn parts were replaced and reassembled, the runner and seal ring were inspected, and the lignum vitae bearing was reblocked. The generator stator was cleaned and varnished and field coils were tested. The Johnson valve was cleaned and the valve seats were machined.

Number 2 unit was out of service from June 26 to July 13. During this period the governor was dismantled, worn parts were replaced and reassembled. The lignum vitae bearing was reblocked and the runner, draft tubes and seal rings were inspected. The generator stator was cleaned and varnished, and the Johnson valve controls were cleaned and repaired.

Number 3 unit was out of service from September 1 to September 14, during which period repairs were made to the governor controls, the turbine bearing was reblocked, and the racks, draft tube, runner and seal rings were inspected. The generator windings were cleaned, tested and varnished.

Number 4 unit was out of service from September 18 to October 3. During this period the Johnson valve was overhauled, the lignum vitae bearing was reblocked and the draft tube, runner and seals were inspected. The governor was dismantled and reassembled, worn parts being replaced.

Number 5 unit was out of service from May 15 to June 3. During this period the governor was dismantled and reassembled, worn parts being replaced, the lignum vitae bearing was reblocked, the Johnson valve controls were cleaned and repaired, and the draft tube was drained and inspected. The generator stator and field coils were inspected and cleaned.

Number 6 unit was out of service from October 10 to October 24. During this period the Johnson valve was overhauled and the draft tube, runner and seals were inspected. Minor repairs were made to the exciter armature.

Number 7 unit was out of service from July 14 to July 29, the entire unit being dismantled. During this period a large amount of welding was carried out on the runner and seal ring. It was found necessary to replace the turbine bronze sleeve section on the shaft. The governor was dismantled and reassembled, worn parts being replaced. The lignum vitae bearing was reblocked. The generator stator and field windings were cleaned and varnished.

During the above outages of the different units, the low-tension and high-tension breakers were inspected and the oil changed. The transformers were opened for inspection of all internal connections.

During the year the governors on units numbers 6, 7 and 9 were equipped with load limiting devices, and this work is being continued until all governors are so equipped.

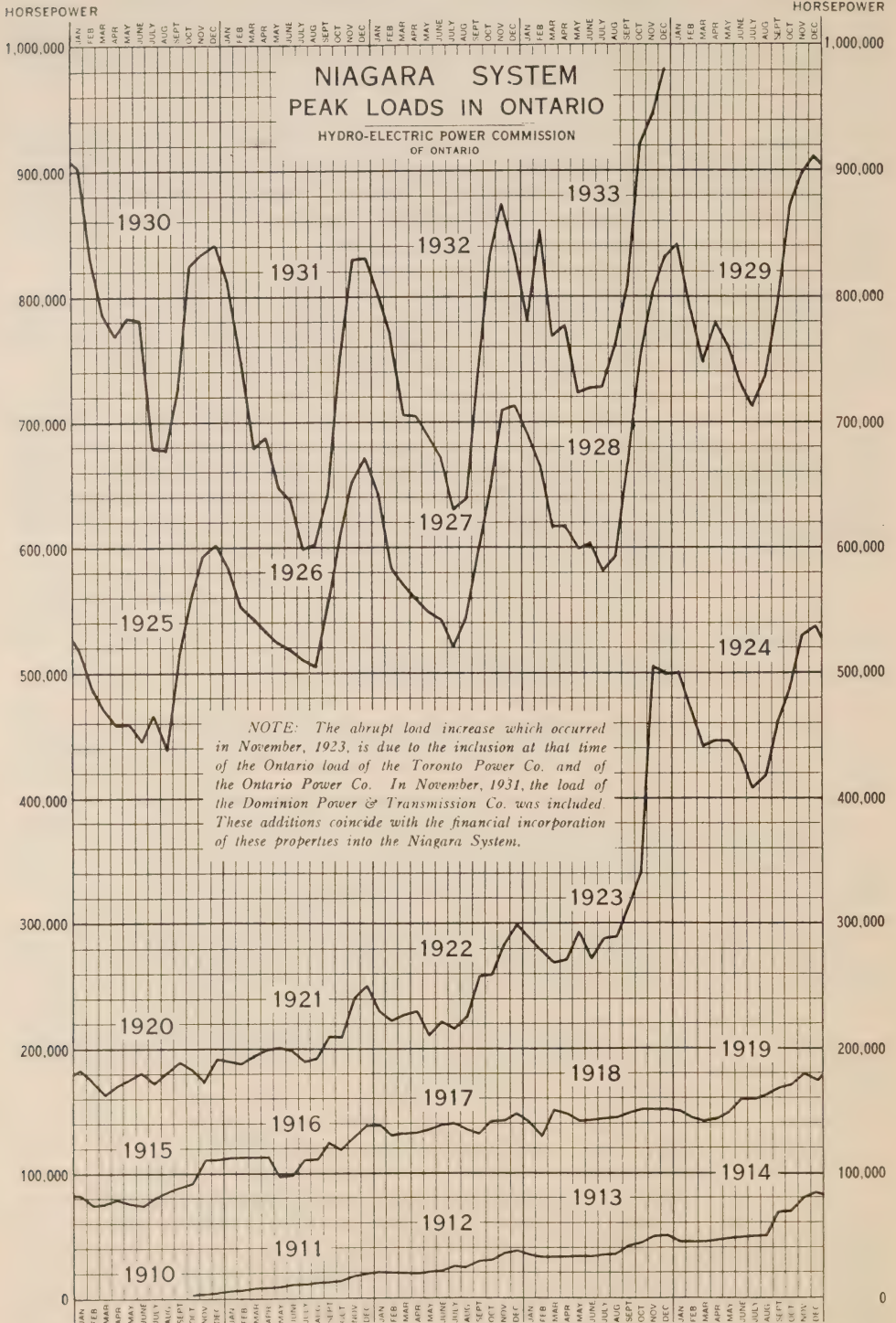
Experiments have been made with the use of stainless steel welding rod for the final surface coat on turbine runners during the past few years, and it has been found that this metal has several times the life of that previously used.

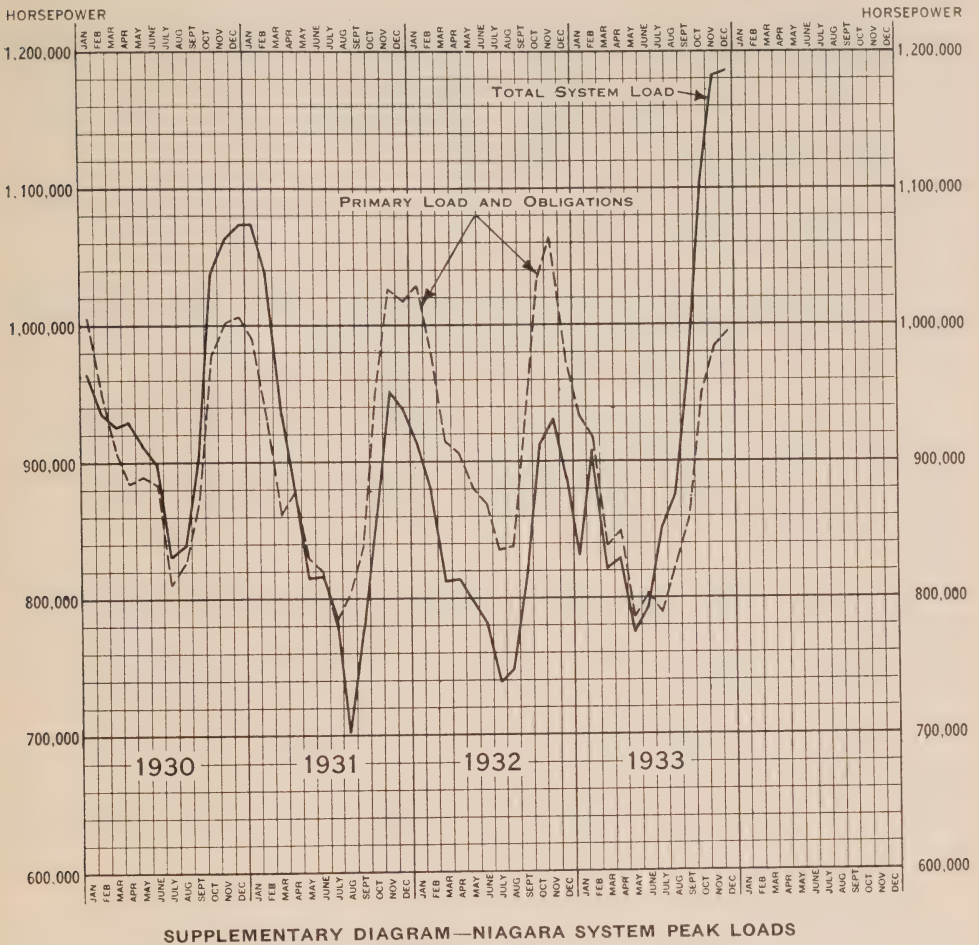
A new 32-volt control battery was purchased and installed during the latter part of the year, replacing two units previously in service.

Several hundred trees and shrubs were planted on the gorge banks and grounds adjacent to the power house and screen house with a view to beautifying the grounds and protecting the gorge banks.

Ontario Power Station

The service rendered by the Ontario Power generating station was extremely good during the year, there being no failures of major equipment and no difficulties encountered in its operation. All equipment was regularly inspected and repairs and adjustments were made where necessary to maintain the plant in efficient condition. All equipment being in good condition, no extensive maintenance work was required during the year.





SUPPLEMENTARY DIAGRAM—NIAGARA SYSTEM PEAK LOADS

Notes

TOTAL SYSTEM LOAD includes power exported to Quebec and the United States as well as the Ontario load shown on the opposite page

PRIMARY LOAD AND OBLIGATIONS as the term implies, includes both the primary load and the contractual obligations for primary power to Ontario Companies supplied directly by the Commission in excess of power actually taken by them

The scaling of the cliff, and the construction of a dry wall to protect the buildings from falling rock, which was reported under way in the last Annual Report, was completed during the latter part of 1932. Repairs were made to the outer concrete walls of the power house.

All machine shop equipment is being moved to a permanent location in the north end of the main generating station, in a space formerly occupied by a 16-foot boring mill which has been moved to Queenston. The relocation of this equipment will permit the removal of temporary buildings at the north end of the power house which were originally erected for construction purposes.

Toronto Power Station

No difficulties were encountered in the operation of this plant during the year, although two generators failed in service during a lightning storm on July 19, and required minor repairs. Systematic inspection and maintenance of all apparatus was carried out in accordance with the regular schedules; the larger maintenance items are as noted below.

On number 1 unit the upper turbine rods were packed and the lower turbine bearing was changed.

The generator on number 3 unit failed in service on July 19 during a lightning storm and it was found necessary to replace three coils in the armature. The stator was given a thorough cleaning, and all coils were varnished.

On number 4 unit the field was removed and the stator coils cleaned and varnished. During this period the oil and water service pipes to both generator bearings were re-arranged. The governor was dismantled, worn parts were replaced and the governor was reassembled. The turbine and guide bearings were also refitted.

On number 5 unit the upper turbine bearing was changed and the lower turbine bearing was inspected. The guide bearings on decks number 3, 4 and 5 were inspected and the oil grooves recut. Steel gear guards were installed under the governor, and the wheel-gates were adjusted to provide for tighter closing.

On number 6 unit the field was removed and the generator coils were cleaned and varnished. The guide bearings on decks number 2, 3 and 4 were inspected and oil grooves recut, and the guide bearing on deck number 5 was replaced. The top and bottom generator bearings were changed, and steel gear guards were placed under the governor.

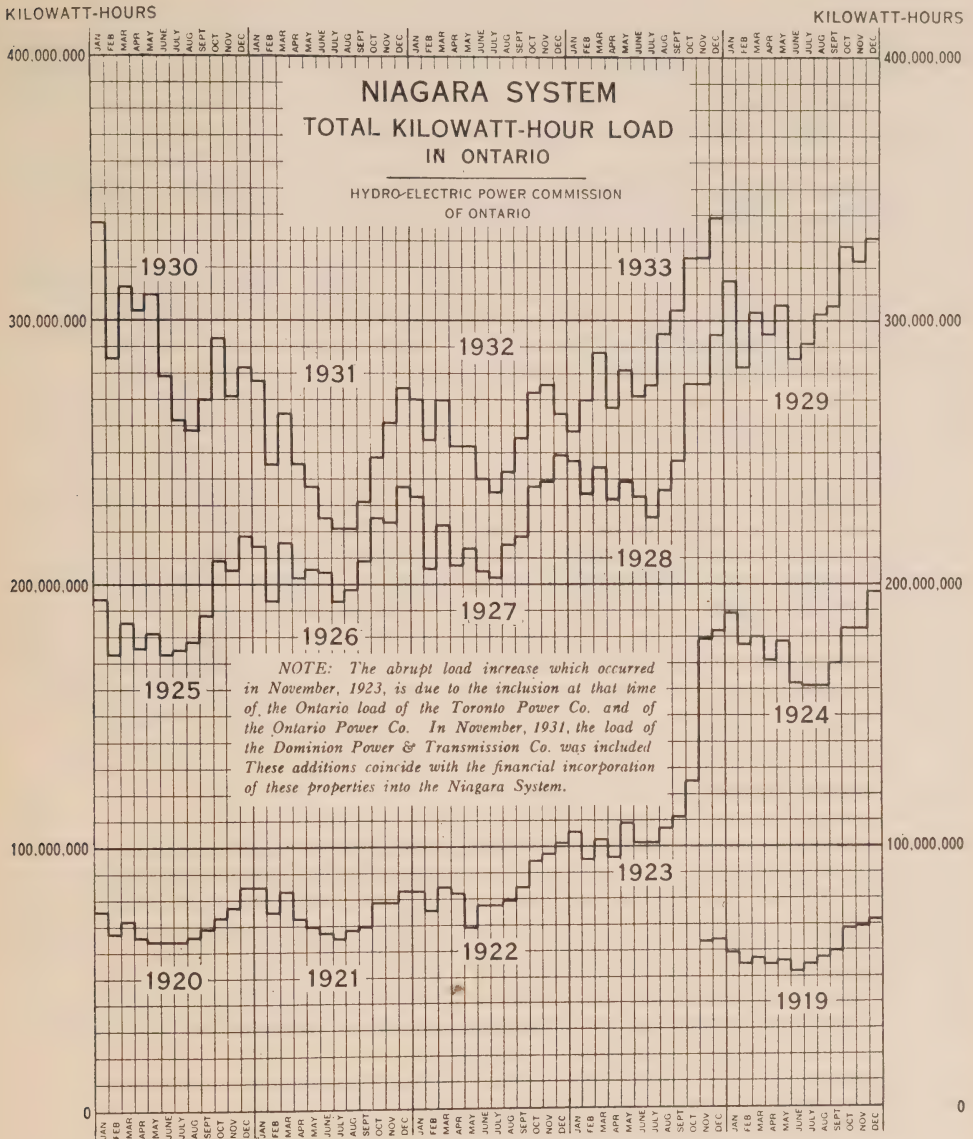
The armature of number 7 unit failed in service on July 19 during a lightning storm, and it was necessary to remove the field and replace five coils in the armature. The stator was thoroughly cleaned and the coils revarnished. The top generator bearing and the guide bearings on deck number 5 were changed.

During the severe wind and lightning storm on June 7 a 6,000 kv-a. transformer at the Toronto Power transformer station failed in service. This unit has not yet been repaired.

The usual painting and general maintenance work was carried out in accordance with the regular schedules.

Chats Falls Station—Ottawa River

The year 1932-3 was the first complete year's operation with eight units in service. The performance of all equipment was highly satisfactory, requiring no major maintenance or repair work. All inspection and routine maintenance work has been carried out in accordance with a regular schedule. A complete check of all relay and metering equipment was made.



The Ottawa river flow reached a maximum of 150,000 c.f.s. during the spring flood and receded to a minimum of 12,000 c.f.s. in October, the extremely low flow resulting from the small precipitation during the summer. Throughout this wide variation of flow no difficulty was experienced in maintaining the water levels within the prescribed limits.

The responsibility for maintaining system frequency and time service was transferred to this station from the Niagara Falls plants during the year. For this purpose a type "B" Telechron clock was installed in the control room, which, in conjunction with a graphic time-error meter installed at the load

supervisor's office at Niagara Falls, enables the operators to maintain time service to the districts supplied from Toronto, York, Cooksville and Hamilton transformer stations within the limits of plus or minus five seconds from standard time. Similar time service is given to other parts of the Niagara high-tension system through frequency control at Niagara Falls.

For the purpose of placing cars, moving heavy material and handling tail-race stop-logs, a large Browning crane was purchased.

During the early part of the past fiscal year the remaining construction details were completed. A complete inventory has been made of all construction material, stores, spare parts, etc., remaining on hand after the completion of construction, and this material is now being offered for sale.

Decew Falls Generating Station

This plant was in continuous operation throughout the year; no difficulties were encountered in its operation, and no failures of equipment occurred. No extensive maintenance work was carried out during the year, but regular inspection and repairs were made in accordance with the established schedule, and the plant was kept in satisfactory operating condition.

The water-wheel governors of number 5 and number 7 units were rebuilt and a new main control valve was built for number 1 water-wheel. The exterior trim of the generating station building and transformer house was painted.

Dominion Power Steam Station—Hamilton

The 60-cycle steam plant at Hamilton was operated during the year as a standby for electric service and for the generation of steam for commercial purposes. While it was not necessary to operate the steam turbo-generator for power purposes during the year, this unit was operated from time to time as a synchronous condenser for voltage regulation on the system. Experiments were carried out in the burning of coke breeze, along with the regular slack coal. These were successful and fuel costs at this station have been reduced.

Transmission

The 220,000-volt lines between Toronto and the Ottawa river (Chats Falls), and from this point to the Ontario-Quebec boundary line connecting with the Beauharnois development, gave very satisfactory service and no difficulties were encountered in the operation or maintenance of these lines.

There were two total interruptions of all three circuits, caused by lightning, resulting in disturbances to service in the Toronto area. There were fourteen single-circuit outages on this system caused by lightning; these latter outages, however, did not affect service. None of the above disturbances caused damage to lines or equipment, and the immediate return of the equipment to service was possible.

On July 1, the 220,000-volt circuit from the Masson station of the MacLaren-Quebec Power Company was connected to the Beauharnois-Chats Falls line and placed in service.

The towers on the three circuits between Leaside station and Hastings interswitching station were inspected, all bolts tightened and palnuts installed, in order to prevent the loosening of the tower bolts by vibration. Along with this work the conductors on the original circuit were inspected. Underbrushing was carried out on approximately four thousand acres from a point north of Oshawa to the Ottawa river.

There were no complete interruptions on the 110,000-volt transmission system during the year. There were, however, interruptions on the three individual groups of this system.

On March 19 a sleet storm of moderate severity caused interruptions to all customers west of Dundas.

On June 7 a storm of extreme severity, accompanied by high winds, lightning and rain, caused extensive damage in many districts between London, Toronto and Niagara Falls. At this time six towers collapsed on the circuits between Dundas and Toronto, and six towers on the right-of-way near Stoney Creek. Damage also occurred to low-tension lines in the Dundas, London, St. Marys, and Niagara Falls districts.

In addition to the usual patrol, minor maintenance and repair work after storms, the following maintenance work was carried out on the 110,000-volt lines. Some 705 McGuigan type towers, from a point between Dundas and Guelph, to between London and St. Marys, were cleaned and painted, and the majority of the towers on the Toronto circuits from Niagara Falls were inspected and the bolts were tightened. Palnuts were installed on the towers between Allenburg junction and St. Thomas, and extensions erected on transposition towers to improve loop clearance. The Archibolt-Brady 60,000-volt towers between Niagara station and the river crossing were cleaned and painted, also several 46,000-volt towers, including the towers at the canal crossing in Welland.

Extensive underbrushing was done on the older tower lines between Niagara Falls and Toronto, and westerly as far as St. Thomas. The 110,000-volt circuits were re-arranged at our Strachan and York stations and at Saltfleet and Halton junctions. High-tension insulators were meggered between Kitchener and London and on other circuits in the vicinity of London. A short section of line was placed in service between the Holland Road junction and the Ontario Paper Company (Steam) transformer station.

A new transformer station of 67,500-kv-a. capacity, along with three 30,000-kw. steam generators, was placed in service at the Ontario Paper Company on January 29.

The Commission's private telephone service was extended during the year to the following stations on the Dominion Power division: DeCew Falls, Hamilton steam plant, Beamsville, Grimsby and Ancaster distributing stations,

Bartonville switching station, Lincoln Electric Company, St. Catharines, and the Hamilton field office, thus making telephone communication available between these points and all other points on the Commission's telephone system.

On the Dominion Power lines there was no total interruption to service during the year, or any reduction in load due to failure of generation. On the 44,000-volt lines there were two interruptions totalling ten minutes. The violent storm of June 7 damaged sections of transmission circuits and caused interruptions to customers in the Brantford, Grimsby, Oakville and Welland areas.

The 44,000-volt pin-type insulators were visually inspected during the year and all defective units replaced. A portion of the 24,000-volt insulators were also visually inspected and the defective units changed. Extensive maintenance work was carried out on the circuits serving Brantford, and these sections are now in good operating condition. Considerable maintenance work was carried out on the circuit between Bartonville switching station and Ancaster distribution station.

Transformation

At Bridgman-Davenport station hand-operated tap changers were installed on six 5,000-kv-a. high-tension transformers. At Wiltshire station three transformers were sent to the manufacturer for the installation of hand-operated tap changers, and this same equipment was also installed on thirty-four units at the station.

The core bracing was inspected and tightened on fifty-three 5,000-kv-a. transformers during the year.

At Dundas station one 5,000-kv-a. transformer failed in service during the storm of June 7. There was also a failure of one 1,250-kv-a. unit at St. Thomas. Both of these units have been rebuilt by the maintenance staff.

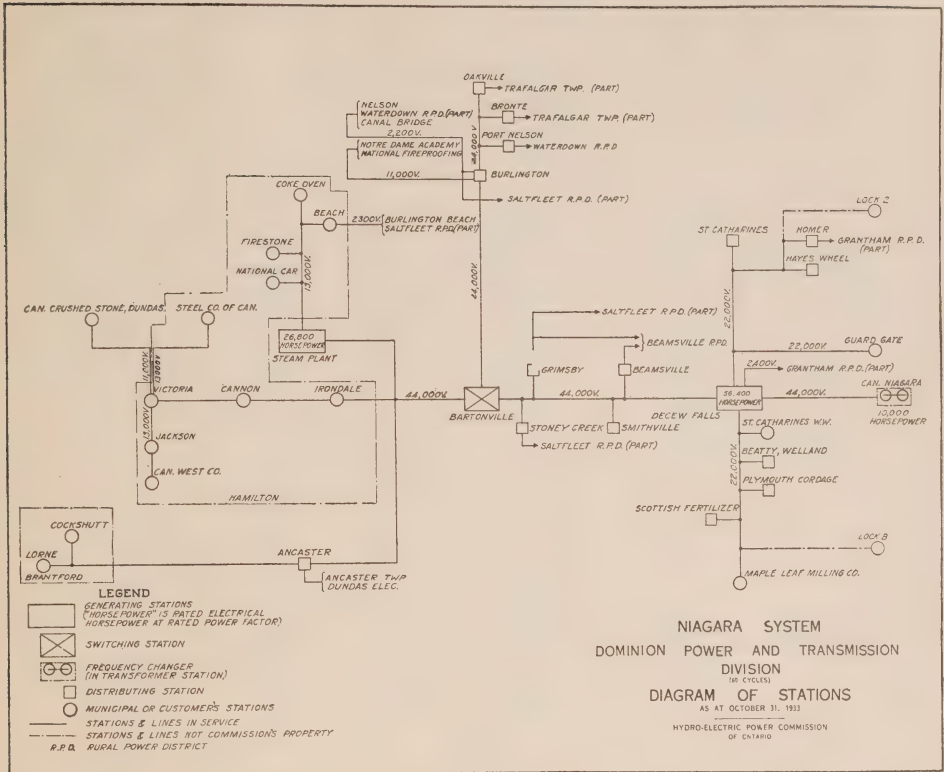
A new guided-wave radio transmitter and receiver was installed at Brant station, and the equipment in Strachan Avenue station was moved to Stratford.

Two complete inspections and overhaul of all outdoor breakers were carried out during the year, along with one complete inspection of the 110,000-volt indoor circuit breakers. In addition to this the regular schedule of inspection and maintenance was carried out at all high-tension stations.

Distribution

There were no new low-tension transformer stations put in service during the year, and no changes made in transformer capacity to any of the existing stations. There were twelve failures of low-tension transformers, ten of which were rebuilt in the field, and two units were scrapped. A new bank of transformers was installed at Toronto station, replacing three units of similar capacity which failed in service.

In the Brant district the railway and wire crossings were made standard. Extensive general overhauling of low-tension lines was carried out in the Preston,



Stratford, Woodstock, Brant and Kent stations. New air-break switches and switching structures were erected at Britannia junction and at Beachville substation.

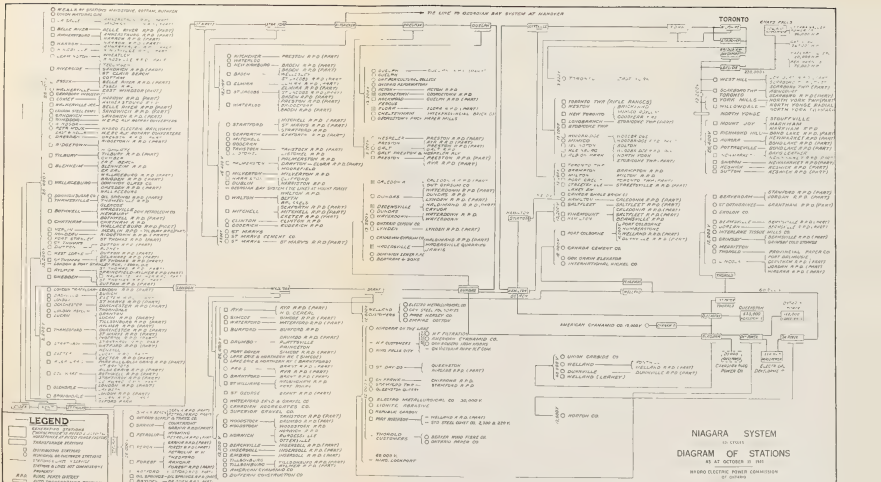
In order to obtain a longer life from wood poles, approximately 23,000 poles were uncovered at the ground line, the decayed wood removed, and the poles given a spray treatment of creosote.

There were no new 26,000-volt or 13,000-volt lines placed in service during the year.

In the Dominion Power division, two 500-kv-a. transformers failed in service during the year, one at St. Catharines distributing station, and one at the Beatty-Welland distributing station. Both of these units were rewound and restored to service. The transformer failure at the Beatty-Welland substation was caused by lightning, the failure resulting in a fire which destroyed the station. Equipment was removed to a temporary substation and service was restored. Transformer stations at Thorold and Humberstone were dismantled, some of the equipment being salvaged and the balance disposed of. Service to the Welland Ship canal at lock No. 8, Humberstone guard gate, and lock No. 2 Port Weller, and to the National Fireproof Company, was discontinued during the year.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|-------------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Acton..... | 681.7 | 787.6 | 832.6 | ..... | 45.0 |
| Agincourt..... | 149.0 | 155.2 | 116.6 | 38.6 | ..... |
| Ailsa Craig..... | 147.9 | 81.5 | 88.6 | ..... | 7.1 |
| Alvinston..... | 94.2 | 87.9 | 82.8 | 5.1 | ..... |
| Amherstburg..... | 714.5 | 661.6 | 616.6 | 45.0 | ..... |
| Ancaster Township..... | 277.5 | 284.5 | 283.8 | 0.7 | ..... |
| Arkona..... | 55.3 | 52.6 | 45.4 | 7.2 | ..... |
| Aurora..... | 968.3 | 986.6 | 1,030.1 | ..... | 43.5 |
| Aylmer..... | 490.6 | 513.4 | 469.1 | 44.3 | ..... |
| Ayr..... | 207.6 | 161.1 | 157.5 | 3.6 | ..... |
| Baden..... | 281.2 | 237.9 | 241.7 | ..... | 3.8 |
| Beachville..... | 329.7 | 386.6 | 387.4 | ..... | 0.8 |
| Belle River..... | 146.8 | 124.6 | 119.3 | 5.3 | ..... |
| Blenheim..... | 379.3 | 369.9 | 353.9 | 16.0 | ..... |
| Blyth..... | 93.5 | 101.4 | 87.4 | 14.0 | ..... |
| Bolton..... | 131.7 | 118.8 | 137.7 | ..... | 18.9 |
| Bothwell..... | 104.5 | 105.2 | 104.4 | 0.8 | ..... |
| Brampton..... | 2,345.9 | 2,168.2 | 2,075.2 | 93.0 | ..... |
| Brantford..... | 9,129.9 | 11,637.9 | 12,728.7 | ..... | 1,090.8 |
| Brantford Township..... | 530.8 | 505.1 | 605.6 | ..... | 100.5 |
| Bridgeport..... | 130.2 | 108.4 | 85.5 | 22.9 | ..... |
| Brigden..... | 83.3 | 88.4 | 89.1 | ..... | 0.7 |
| Brussels..... | 134.4 | 132.1 | 108.8 | 23.3 | ..... |
| Burford..... | 143.6 | 136.4 | 115.5 | 20.9 | ..... |
| Burgessville..... | 55.2 | 57.1 | 54.1 | 3.0 | ..... |
| Caledonia..... | 378.4 | 320.7 | 327.7 | ..... | 7.0 |
| Campbellville..... | 27.3 | 26.2 | 24.2 | 2.0 | ..... |
| Cayuga..... | 96.2 | 119.9 | 112.6 | 7.3 | ..... |
| Chatham..... | 4,167.0 | 4,285.0 | 4,258.1 | 26.9 | ..... |
| Chippawa..... | 261.4 | 218.0 | 215.3 | 2.7 | ..... |
| Clifford..... | 63.0 | 58.1 | 61.5 | ..... | 3.4 |
| Clinton..... | 462.4 | 408.8 | 374.5 | 34.3 | ..... |
| Comber..... | 125.7 | 158.1 | 164.0 | ..... | 5.9 |
| Cottam..... | 69.3 | 62.7 | 58.0 | 4.7 | ..... |
| Courtright..... | 40.7 | 39.4 | 38.4 | 1.0 | ..... |
| Dashwood..... | 69.3 | 65.9 | 40.0 | 25.9 | ..... |
| Delaware..... | 37.6 | 41.5 | 35.1 | 6.4 | ..... |
| Dorchester..... | 81.7 | 67.0 | 95.7 | ..... | 28.7 |
| Drayton..... | 96.8 | 99.4 | 86.7 | 12.7 | ..... |
| Dresden..... | 319.0 | 286.1 | 280.0 | 6.1 | ..... |
| Drumbo..... | 64.2 | 67.7 | 66.3 | 1.4 | ..... |
| Dublin..... | 48.6 | 34.2 | 42.9 | ..... | 8.7 |
| Dundas..... | 1,280.1 | 1,138.0 | 1,276.1 | ..... | 138.1 |
| Dunnville..... | 786.0 | 797.1 | 907.7 | ..... | 110.6 |
| Dutton..... | 236.8 | 237.4 | 211.9 | 25.5 | ..... |
| East Windsor..... | 2,761.4 | 2,450.4 | 2,277.4 | 172.7 | ..... |
| Elmira..... | 777.5 | 646.1 | 557.6 | 88.5 | ..... |
| Elora..... | 411.5 | 384.7 | 291.4 | 93.3 | ..... |
| Embro..... | 98.5 | 83.8 | 104.5 | ..... | 20.7 |
| Erieau..... | 61.6 | 70.7 | 72.6 | ..... | 1.9 |
| Erie Beach..... | 11.1 | 8.0 | 6.4 | 1.6 | ..... |
| Essex..... | 372.1 | 336.4 | 361.9 | ..... | 25.5 |
| Etobicoke Township..... | 3,159.5 | 3,361.9 | 3,621.4 | ..... | 259.5 |
| Exeter..... | 404.8 | 424.9 | 382.0 | 42.9 | ..... |



NIAGARA SYSTEM
12-17015
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1945
HYDRO-ELECTRIC POWER COMMISSION
OF CANADA

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933—Continued

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|-----------------------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Fergus..... | 686.3 | 652.5 | 705.0 | ..... | 52.5 |
| Fonthill..... | 163.6 | 138.5 | 133.2 | 5.3 | ..... |
| Forest..... | 305.6 | 332.1 | 320.6 | 11.5 | ..... |
| Galt..... | 6,301.6 | 6,071.1 | 5,858.7 | 212.4 | ..... |
| Georgetown..... | 889.0 | 902.7 | 978.3 | ..... | 75.6 |
| Glencoe..... | 173.2 | 170.8 | 163.7 | 7.1 | ..... |
| Goderich..... | 983.4 | 970.5 | 991.9 | ..... | 21.4 |
| Granton..... | 93.4 | 90.4 | 96.5 | ..... | 6.1 |
| Guelph..... | 7,794.9 | 7,710.5 | 7,812.3 | ..... | 101.8 |
| Hagersville..... | 943.7 | 1,046.9 | 418.2 | 628.7 | ..... |
| Hamilton..... | 86,641.1 | 76,409.6 | 83,832.3 | ..... | 7,422.7 |
| Harriston..... | 311.6 | 289.2 | 247.2 | 42.0 | ..... |
| Harrow..... | 368.6 | 332.1 | 332.7 | ..... | 0.6 |
| Hensall..... | 165.5 | 150.4 | 121.6 | 28.8 | ..... |
| Hespeler..... | 1,831.4 | 1,864.9 | 1,879.7 | ..... | 14.8 |
| Highgate..... | 59.9 | 61.6 | 69.0 | ..... | 7.4 |
| Humberstone..... | 384.7 | 324.4 | 386.7 | ..... | 62.3 |
| Ingersoll..... | 1,915.9 | 1,870.0 | 1,969.0 | ..... | 99.0 |
| Jarvis..... | 179.9 | 178.7 | 150.1 | 28.6 | ..... |
| Kingsville..... | 446.4 | 420.9 | 431.6 | ..... | 10.7 |
| Kitchener..... | 15,834.7 | 14,874.6 | 15,000.6 | ..... | 126.0 |
| Lambeth..... | 107.2 | 99.6 | 94.9 | 4.7 | ..... |
| La Salle..... | 241.3 | 211.5 | 199.0 | 12.5 | ..... |
| Leamington..... | 1,065.9 | 1,112.6 | 1,327.0 | ..... | 214.4 |
| Listowel..... | 865.3 | 906.1 | 808.3 | 97.8 | ..... |
| London..... | 27,908.8 | 29,437.4 | 30,201.2 | ..... | 763.8 |
| London Township V.A..... | 311.2 | 371.4 | 358.5 | 12.9 | ..... |
| Long Branch..... | 754.1 | 736.0 | 733.9 | 2.1 | ..... |
| Lucan..... | 174.1 | 134.0 | 136.0 | ..... | 2.0 |
| Lynden..... | 83.1 | 74.5 | 66.3 | 8.2 | ..... |
| Markham..... | 238.6 | 249.3 | 211.8 | 37.5 | ..... |
| Merlin..... | 91.8 | 94.7 | 66.7 | 28.0 | ..... |
| Merritton..... | 2,281.5 | 2,737.3 | 2,765.1 | ..... | 27.8 |
| Milton..... | 705.3 | 597.1 | 804.4 | ..... | 207.3 |
| Milverton..... | 344.5 | 311.4 | 295.6 | 15.8 | ..... |
| Mimico..... | 2,103.1 | 2,211.8 | 2,218.5 | ..... | 6.7 |
| Mimico Asylum..... | 65.0 | 65.0 | 100.0 | ..... | 35.0 |
| Mitchell..... | 500.0 | 422.2 | 433.8 | ..... | 11.6 |
| Moorefield..... | 48.2 | 58.2 | 45.5 | 12.7 | ..... |
| Mount Brydges..... | 89.0 | 92.7 | 79.6 | 13.1 | ..... |
| Newbury..... | 41.8 | 43.4 | 40.6 | 2.8 | ..... |
| New Hamburg..... | 492.3 | 470.2 | 399.1 | 71.1 | ..... |
| Newmarket..... | 1,340.5 | 1,380.7 | 1,285.5 | 95.2 | ..... |
| New Toronto..... | 5,194.4 | 4,766.7 | 4,790.8 | ..... | 24.1 |
| Niagara Falls..... | 9,351.2 | 8,774.0 | 9,135.6 | ..... | 361.6 |
| Niagara-on-the-Lake..... | 536.2 | 548.8 | 546.1 | 2.7 | ..... |
| Norwich..... | 331.7 | 335.1 | 308.3 | 26.8 | ..... |
| Oil Springs..... | 156.9 | 172.7 | 159.3 | 13.4 | ..... |
| Ontario Agricultural College..... | 401.6 | 427.6 | 469.1 | ..... | 41.5 |
| Ontario Central Reformatory..... | 282.8 | 249.3 | 243.9 | 5.4 | ..... |
| Otterville..... | 83.6 | 77.7 | 84.3 | ..... | 6.6 |

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933—Continued

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|------------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Palmerston..... | 518.9 | 458.5 | 437.5 | 21.0 | ..... |
| Paris..... | 1,242.0 | 1,178.4 | 1,197.2 | ..... | 18.8 |
| Parkhill..... | 140.7 | 131.3 | 124.2 | 7.1 | ..... |
| Petrolia..... | 731.4 | 761.7 | 685.8 | 75.9 | ..... |
| Plattsville..... | 60.8 | 53.3 | 60.2 | ..... | 6.9 |
| Point Edward..... | 267.4 | 689.0 | 636.7 | 52.3 | ..... |
| Port Colborne..... | 1,608.6 | 1,407.5 | 1,420.9 | ..... | 13.4 |
| Port Credit..... | 537.5 | 549.3 | 611.2 | ..... | 61.9 |
| Port Dalhousie..... | 457.1 | 439.7 | 503.7 | ..... | 64.0 |
| Port Dover..... | 315.2 | 315.6 | 296.5 | 19.1 | ..... |
| Port Rowan..... | 74.2 | 73.0 | 67.1 | 5.9 | ..... |
| Port Stanley..... | 220.9 | 228.5 | 261.5 | ..... | 33.0 |
| Preston..... | 3,128.6 | 2,560.3 | 2,461.1 | 99.2 | ..... |
| Princeton..... | 101.3 | 103.2 | 98.8 | 4.4 | ..... |
| Queenston..... | 87.1 | 83.5 | 80.7 | 2.8 | ..... |
| Richmond Hill..... | 317.3 | 297.0 | 293.1 | 3.9 | ..... |
| Ridgetown..... | 416.9 | 439.7 | 446.4 | ..... | 6.7 |
| Riverside..... | 1,212.7 | 1,200.6 | 1,104.9 | 95.7 | ..... |
| Rockwood..... | 104.5 | 104.5 | 89.8 | 14.7 | ..... |
| Rodney..... | 145.6 | 145.7 | 131.1 | 14.6 | ..... |
| St. Catharines..... | 8,449.7 | 7,872.8 | 7,854.2 | 18.6 | ..... |
| St. Clair Beach..... | 97.6 | 90.7 | 72.6 | 18.1 | ..... |
| St. George..... | 92.5 | 147.4 | 129.3 | 18.1 | ..... |
| St. Jacobs..... | 140.2 | 152.8 | 151.4 | 1.4 | ..... |
| St. Marys..... | 1,521.9 | 1,501.8 | 1,225.7 | 276.1 | ..... |
| St. Thomas..... | 5,643.4 | 5,761.4 | 6,179.6 | ..... | 418.2 |
| Sandwich..... | 3,459.3 | 2,996.4 | 2,956.2 | 40.2 | ..... |
| Sarnia..... | 6,801.6 | 7,360.6 | 7,581.1 | ..... | 220.5 |
| Scarboro Township..... | 3,034.8 | 3,124.6 | 2,981.5 | 143.1 | ..... |
| Seaforth..... | 510.9 | 465.3 | 408.8 | 56.5 | ..... |
| Simcoe..... | 1,491.1 | 1,546.1 | 1,613.9 | ..... | 67.8 |
| Springfield..... | 52.9 | 65.6 | 59.0 | 6.6 | ..... |
| Stamford Township..... | 1,831.1 | 1,859.8 | 1,819.0 | 40.8 | ..... |
| Stouffville..... | 194.7 | 204.1 | 167.9 | 36.2 | ..... |
| Stratford..... | 7,790.6 | 7,180.2 | 6,530.9 | 649.3 | ..... |
| Strathroy..... | 1,000.0 | 910.2 | 946.4 | ..... | 36.2 |
| Sutton..... | 150.4 | 152.7 | 153.5 | ..... | 0.8 |
| Tavistock..... | 523.6 | 496.0 | 424.6 | 71.4 | ..... |
| Tecumseh..... | 443.8 | 302.2 | 294.7 | 7.5 | ..... |
| Thamesford..... | 154.1 | 158.8 | 159.5 | ..... | 0.7 |
| Thamesville..... | 178.3 | 171.0 | 163.5 | 7.5 | ..... |
| Thedford..... | 60.8 | 57.6 | 127.0 | ..... | 69.4 |
| Thorndale..... | 46.1 | 40.6 | 36.4 | 4.2 | ..... |
| Thorold..... | 1,941.7 | 1,956.4 | 1,914.6 | 41.8 | ..... |
| Tilbury..... | 321.7 | 366.6 | 398.1 | ..... | 31.5 |
| Tillsonburg..... | 884.7 | 891.0 | 900.1 | ..... | 9.1 |
| Toronto..... | 289,262.7 | 280,795.0 | 269,144.8 | 11,650.2 | ..... |
| Toronto Township..... | 1,668.1 | 1,868.0 | 1,793.7 | 74.3 | ..... |
| Walkerville..... | 6,348.5 | 5,454.7 | 5,336.4 | 118.3 | ..... |
| Wallaceburg..... | 1,059.0 | 1,252.0 | 1,888.7 | ..... | 636.7 |
| Wardsville..... | 38.0 | 35.4 | 34.3 | 1.1 | ..... |
| Waterdown..... | 231.9 | 191.7 | 201.0 | ..... | 9.3 |
| Waterford..... | 380.0 | 406.8 | 399.4 | 7.4 | ..... |
| Waterloo..... | 2,946.2 | 2,660.8 | 2,668.9 | ..... | 8.1 |

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933—Concluded

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|----------------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Watford | 200.4 | 186.3 | 185.0 | 1.3 | ..... |
| Welland | 3,967.8 | 3,576.4 | 3,918.2 | ..... | 341.8 |
| Wellesley | 142.7 | 97.7 | 94.7 | 3.0 | ..... |
| West Lorne | 97.8 | 105.9 | 98.6 | 7.3 | ..... |
| Weston | 2,619.2 | 2,453.1 | 2,790.8 | ..... | 337.7 |
| Wheatley | 155.7 | 143.1 | 123.7 | 19.4 | ..... |
| Windsor | 25,431.8 | 23,029.9 | 20,550.3 | 2,479.6 | ..... |
| Woodbridge | 293.5 | 247.9 | 261.4 | ..... | 13.5 |
| Woodstock | 4,781.5 | 4,785.5 | 4,950.4 | ..... | 164.9 |
| Wyoming | 60.3 | 64.6 | 75.2 | ..... | 10.6 |
| York, East Township | 5,138.0 | 5,504.0 | 5,330.7 | 173.3 | ..... |
| York, North Township | 2,757.4 | 2,829.7 | 2,890.0 | ..... | 60.3 |
| Zurich | 85.9 | 76.4 | 64.8 | 11.6 | ..... |

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|-------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Acton | 10.0 | 10.0 | 10.0 | ..... | ..... |
| Ailsa Craig | 5.6 | 5.6 | 5.6 | ..... | ..... |
| Alvinston | 3.2 | 3.2 | 3.2 | ..... | ..... |
| Amherstburg | 518.8 | 533.7 | 496.7 | 37.0 | ..... |
| Aylmer | 304.8 | 294.4 | 291.1 | 3.3 | ..... |
| Ayr | 32.0 | 42.5 | 42.5 | ..... | ..... |
| Baden | 293.0 | 398.6 | 367.1 | 31.5 | ..... |
| Beamsville | 1,072.2 | 1,061.1 | 1,030.7 | 30.4 | ..... |
| Belle River | 269.9 | 254.9 | 220.0 | 34.9 | ..... |
| Blenheim | 153.5 | 143.6 | 118.5 | 25.1 | ..... |
| Bond Lake | 840.7 | 897.2 | 926.4 | ..... | 29.2 |
| Bothwell | 102.7 | 115.6 | 89.0 | 26.6 | ..... |
| Brampton | 127.3 | 133.3 | 130.0 | 3.3 | ..... |
| Brant | 565.2 | 464.9 | 434.4 | 30.5 | ..... |
| Brigden | 35.7 | 38.0 | 31.5 | 6.5 | ..... |
| Burford | 145.3 | 155.9 | 170.5 | ..... | 14.6 |
| Caledonia | 260.5 | 322.0 | 300.5 | 21.5 | ..... |
| Chatham | 434.0 | 441.3 | 473.5 | ..... | 32.2 |
| Chippawa | 109.9 | 102.2 | 99.2 | 3.0 | ..... |
| Clinton | 124.6 | 125.2 | 121.7 | 3.5 | ..... |
| Delaware | 297.2 | 265.3 | 299.5 | ..... | 34.2 |
| Dorchester | 335.9 | 329.4 | 269.2 | 60.2 | ..... |
| Dresden | 28.5 | 34.6 | 42.2 | ..... | 7.6 |
| Drumbo | 64.6 | 79.2 | 59.0 | 20.2 | ..... |
| Dundas | 552.3 | 578.3 | 582.6 | ..... | 4.3 |
| Dunnville | 29.0 | 42.0 | 42.0 | ..... | ..... |
| Dutton | 115.7 | 122.8 | 126.0 | ..... | 3.2 |

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1931-1932-1933—Continued

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|------------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Elmira..... | 72.7 | 79.6 | 70.2 | 9.4 | ..... |
| Elora..... | 139.8 | 105.7 | 98.2 | 7.5 | ..... |
| Essex..... | 213.9 | 201.0 | 189.6 | 11.4 | ..... |
| Exeter..... | 217.6 | 245.5 | 235.3 | 10.2 | ..... |
| Forest..... | 28.0 | 28.0 | 28.0 | ..... | ..... |
| Galt..... | 179.6 | 197.9 | 181.3 | 16.6 | ..... |
| Georgetown..... | 132.4 | 134.8 | 124.9 | 9.9 | ..... |
| Goderich..... | 71.5 | 84.0 | 84.2 | ..... | 0.2 |
| Grantham Township..... | 643.2 | 527.1 | 611.1 | ..... | 84.0 |
| Guelph..... | 392.1 | 415.5 | 411.5 | 4.0 | ..... |
| Haldimand..... | 193.2 | 240.0 | 164.0 | 76.0 | ..... |
| Harriston..... | 22.1 | 23.9 | 20.0 | 3.9 | ..... |
| Harrow..... | 399.4 | 345.1 | 323.6 | 21.5 | ..... |
| Ingersoll..... | 370.6 | 329.8 | 337.8 | ..... | 8.0 |
| Jordan..... | 200.0 | 320.0 | 282.0 | 38.0 | ..... |
| Keswick..... | 291.1 | 381.6 | 395.8 | ..... | 14.2 |
| Kingsville..... | 526.6 | 545.8 | 453.5 | 92.3 | ..... |
| Listowel..... | 113.9 | 131.9 | 132.7 | ..... | 0.8 |
| London..... | 1,451.8 | 1,509.0 | 1,523.7 | ..... | 14.7 |
| Lucan..... | 65.3 | 64.6 | 60.2 | 4.4 | ..... |
| Lynden..... | 160.0 | 177.2 | 166.5 | 10.7 | ..... |
| Markham..... | 387.7 | 453.0 | 423.8 | 29.2 | ..... |
| Merlin..... | 157.5 | 175.2 | 177.5 | ..... | 2.3 |
| Milton..... | 124.8 | 128.2 | 140.0 | ..... | 11.8 |
| Milverton..... | 74.5 | 69.5 | 65.5 | 4.0 | ..... |
| Mitchell..... | 190.4 | 187.8 | 172.2 | 15.6 | ..... |
| Newmarket..... | 290.3 | 255.7 | 225.3 | 30.4 | ..... |
| Niagara..... | 598.9 | 434.5 | 395.9 | 38.6 | ..... |
| Norwich..... | 207.7 | 202.3 | 241.3 | ..... | 39.0 |
| Oil Springs..... | 45.5 | 44.9 | 45.5 | ..... | 0.6 |
| Palmerston..... | 31.5 | 37.5 | 48.0 | ..... | 10.5 |
| Petrolia..... | 25.3 | 25.3 | 25.3 | ..... | ..... |
| Preston..... | 848.1 | 848.2 | 854.7 | ..... | 6.5 |
| Ridgetown..... | 284.2 | 260.8 | 227.9 | 32.9 | ..... |
| St. Jacobs..... | 241.9 | 218.5 | 268.8 | ..... | 50.3 |
| St. Marys..... | 243.6 | 210.4 | 183.8 | 26.6 | ..... |
| St. Thomas..... | 465.0 | 469.3 | 483.2 | ..... | 13.9 |
| Saltfleet..... | 1,114.6 | 1,029.9 | 966.1 | 63.8 | ..... |
| Sandwich..... | 1,008.3 | 1,001.9 | 908.0 | 93.9 | ..... |
| Sarnia..... | 491.1 | 466.4 | 485.3 | ..... | 18.9 |
| Scarboro Township..... | 315.0 | 296.6 | 358.4 | ..... | 61.8 |
| Seaforth..... | 46.3 | 47.8 | 53.2 | ..... | 5.4 |
| Simcoe..... | 175.0 | 231.0 | 205.4 | 25.6 | ..... |
| Stamford..... | 193.0 | 185.1 | 156.5 | 28.6 | ..... |
| Stratford..... | 176.1 | 164.9 | 104.6 | 60.3 | ..... |
| Strathroy..... | 96.6 | 95.0 | 93.2 | 1.8 | ..... |
| Streetsville..... | 376.2 | 324.3 | 251.1 | 73.2 | ..... |

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1931-1932-1933—Concluded

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Tavistock..... | 165.7 | 194.4 | 153.6 | 40.8 | ..... |
| Thamesville..... | 105.9 | 100.9 | 108.6 | ..... | 7.7 |
| Tilbury..... | 78.1 | 119.4 | 134.6 | ..... | 15.2 |
| Tillsonburg..... | 321.3 | 302.4 | 314.4 | ..... | 12.0 |
| Wallaceburg..... | 180.5 | 179.8 | 173.1 | 6.7 | ..... |
| Walsingham..... | 128.7 | 150.8 | 144.3 | 6.5 | ..... |
| Walton..... | 84.5 | 70.7 | 82.8 | ..... | 12.1 |
| Waterdown..... | 830.5 | 906.5 | 676.2 | 230.3 | ..... |
| Waterford..... | 129.2 | 158.2 | 174.9 | ..... | 16.7 |
| Watford..... | 17.6 | 16.4 | 22.0 | ..... | 5.6 |
| Welland..... | 1,115.3 | 1,161.8 | 1,079.1 | 82.7 | ..... |
| Woodbridge..... | 561.9 | 550.0 | 537.9 | 12.1 | ..... |
| Woodstock..... | 480.6 | 487.4 | 483.3 | 4.1 | ..... |

GEORGIAN BAY SYSTEM

The Georgian Bay system peak and average loads both show a decrease of approximately three per cent compared with last year and this is almost entirely due to the reduced demands in the Midland areas, plus the loss of considerable load owing to two large stone crushing plants closing down for the greater part of the year.

Storage water reserves on the system were considerably below normal toward the latter part of the year, due to the exceedingly hot summer combined with a long period of low precipitation, and stream flows were reduced to such an extent that from July until the end of the year it was necessary to supply a large amount of power from the Niagara system, through the Hanover frequency changer set, in order to conserve water for plant operation over the winter period. Assistance was given to the Orillia Water, Light and Power Commission during this period, as Orillia's plant at Swift rapids was unable to carry its load due to reduced flows in the Severn river.

A new 22,000-volt transmission line was built from a point on the old line about two miles west of Shelburne, south, to intersect the old line running west to Grand Valley. From the point of intersection, east to the former Grand Valley junction, the old line was restrung with larger conductor and a new line built from this point to Orangeville. The new line was required as the old line was of insufficient capacity to carry the increased loads and provide proper voltage regulation.

On March 19 and 20, shortly after the new line was placed in service, a severe sleet storm in the area between Dundalk and Orangeville caused heavy

damage to telephone, telegraph and power lines. The excessive weight of sleet on wires and cables caused a number of breaks, particularly on the telephone lines, which hindered restoration of service. It was especially gratifying that the new line was completed prior to the sleet season as this storm would in all probability have caused serious damage to the old line.

The 4,000-volt line between Grand Valley and Arthur was rebuilt. Approximately one hundred new poles were erected, the line was resagged, poles straightened and a number of guys added.

Special inspection was made and defective crossarms, insulators and pins replaced on lines from Eugenia powerhouse to Collingwood, from Hanover to Chesley and Paisley, from Big Chute powerhouse to Waubaushene, from Waubaushene to Elmvale and from South Falls powerhouse to Huntsville.

To conform with specifications of the Board of Railway Commissioners for Canada, the power lines at railway and telephone crossings were reinforced on line sections from Eugenia generating station to Owen Sound, from Eugenia generating station to Durham and Mount Forest, from Flesherton to Shelburne, from Fergusonvale to Collingwood, from Big Chute generating station to Waubaushene, from Waubaushene to Barrie and all south of Barrie, also all lines in Wasdells district.

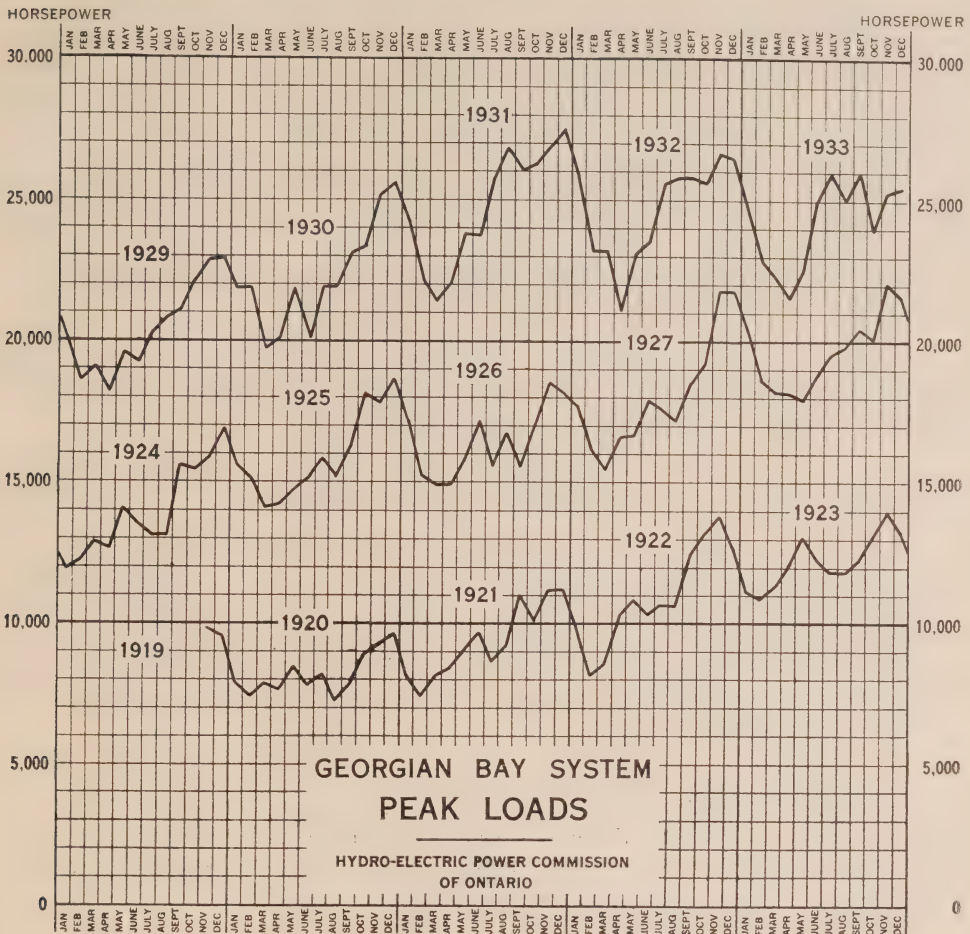
To accommodate changes in highway locations, a number of poles were moved or lowered between Kilsyth and Tara, between Waubaushene and Midland, between Waubaushene and Elmvale and between Barrie and Bradford.

All poles in the section of transmission line between Gamebridge and Kirkfield and in all line sections of the Wasdells district south of Cannington, received treatment at the ground line with preservative.

Over the whole system, 153 poles were reinforced by the addition of stubs and 21 poles were replaced.

At Eugenia Falls plant, improvements were made in the station grounding to bring it up to standard and the 60-cell storage battery was replaced with a new battery. The timber in the trestle under No. 1 pipe line east of the surge tanks was replaced by the Operating department, and the Construction department placed a culvert under the No. 1 and No. 2 pipe line trestles along with a fill of rock, gravel and earth. Repairs were made to No. 3 unit draft tube quarter turn, also to the turbine runner and shaft. The work on the draft tube quarter turn and on the runner was done at the Commission's machine shop at Niagara Falls. This involved building up eroded sections by welding and altering the downstream clearance ring. A forged steel sleeve for the shaft at the stuffing box was supplied to replace the defective bronze sleeve and the necessary machine work was done at Eugenia Falls powerhouse. No. 1 and No. 2 turbines were also inspected but only minor repairs were necessary.

At Walkerton generating station dam, repairs were made by the Construction department, which included the driving of sheet piling to form a cut-off wall to correct leaks under the centre portion of dam, provision of fills on the upstream



NOTE:—The Georgian Bay system includes the Severn, Eugenia, Wasdells, Muskoka and Bala districts. In the diagram the load for the Muskoka, district is not included until November, 1924. Details respecting this load for preceeding years are given in earlier Annual Reports. The load of the new district at Bala is not included in above graph until April, 1931, previous meter records being incomplete

side to prevent scouring, and the construction of rock-filled timber cribs on the downstream side at the east end of the dam, to divert the water and prevent a washout of the shore. While this work was proceeding, excessive flows developed in the river and required that a large flow be allowed to pass through the waste sluice at Walkerton plant. The action of the water started to scour the earth bank at the north-west corner of the powerhouse on the tailrace side. To protect the bank, it was necessary to construct a bench type timber crib with wood sheet piling on the side next the water. The crib was filled with rock and gravel.

At Walkerton plant, which was shut down while repairs to the dam were in progress, an inspection was made of the turbines and hydraulic equipment and minor adjustment and repairs were made. The 2,300-volt tie line was rearranged to provide greater safety.

At Hanover generating station dam, bad leaks developed at the junction of the old and new sections November 7, 1932. Examination revealed that pond water had scoured a channel under a bulkhead wall where it joins the north wall of the main sluice section. Repairs consisted of driving necessary piling to cut off any flow of water under the bulkhead, the underpinning of bulkhead to ensure its stability, erection of a protective crib, and the restoration of original fills. By agreement, this dam was later turned over to the town of Hanover as the town is interested in the maintenance of this dam to provide a supply of water for its pumping station. Water can still be secured for the operation of the Commission's hydraulic plant when required, limited only by the natural river flow, and a certain reserve for pumping plant operation.

At Hanover generating station, repairs were made to the concrete wing wall on the north side of the intake canal adjacent to the plant. The concrete had become defective and excessive leaks developed.

At Hanover frequency-changer station, operation for the past year was very satisfactory and no special maintenance work was required.

At Big Chute generating station, the No. 1 transformer room and the low-tension room were painted. The field and armature coils of all machines were painted with insulating paint. No. 1 oil pump for supplying oil pressure to the governor system, which had given trouble, was redesigned, and after being placed in operation gave complete satisfaction. A number of decayed stop logs in the main dam were replaced with new logs. All hydraulic equipment was inspected and minor adjustments made.

At Wasdells generating station, septic tanks and disposal beds for the superintendent's house and the generating station were constructed and the domestic water supply for the superintendent's house and powerhouse was rearranged. In conjunction with this work, improvements to the grounds around the plant were carried out. The bearings in the No. 2 unit were removed because of wear and were rebabbitted.

At South Falls generating station, owing to a failure of the screws holding the shaft cap, which in turn holds the thrust ring in place on the upstream end of No. 3 unit shaft, a change in design was decided upon and alterations were made to both No. 1 and No. 3 units, which are of similar construction, to guard against further trouble from this source.

At Hanna Chute and Trethewey Falls generating stations, routine inspections of machines, buildings and water controlling structures were made, and only minor repairs were necessary.

At Owen Sound distributing station, improvements were made to station grounding in order to bring the grounding layout up to standard.

At Chatsworth distributing station, all 22,000-volt bus insulators were replaced, as they had given evidence of having served their useful life.

At Shelburne distributing station, the high-voltage and low-voltage entrance structures were redesigned and a new airbreak switch was erected on the high-voltage line. Grounding connections were also improved.

At Berkeley distributing station, during a severe lightning storm on June 7, one low-voltage and two high-voltage transformer bushings were destroyed; these were replaced with new bushings.

At Kincardine distributing station, in order to provide for an increase in load due to a new power consumer, three 125-kv-a. transformers were removed and replaced with three 250-kv-a. transformers.

At John E. Russell Company distributing station, Durham, one 150-kv-a. transformer failed in service October 16, and repairs were made at the manufacturer's factory.

Walkerton rural distributing station, which is located at Walkerton generating station, was placed in service October 20, 1932. This distributing station was completed January 24, 1932, but could not be placed in service until Mildmay distribution system was changed to 4,000 volts.

At Gravenhurst and Huntsville distributing stations, improvements were made in grounding of equipment to bring grounding layouts up to standard.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Alliston..... | 199.6 | 227.9 | 198.0 | 29.9 | ..... |
| Arthur..... | 130.7 | 128.9 | 132.7 | ..... | 3.8 |
| Bala..... | 121.0 | 118.0 | 120.0 | ..... | 2.0 |
| Barrie..... | 2,503.4 | 2,381.1 | 2,195.6 | 185.5 | ..... |
| Beaverton..... | 295.6 | 216.4 | 179.7 | 36.7 | ..... |
| Beeton..... | 134.7 | 106.6 | 114.3 | ..... | 7.7 |
| Bradford..... | 138.2 | 134.9 | 140.0 | ..... | 5.1 |
| Brechin..... | 59.0 | 56.3 | 45.4 | 10.9 | ..... |
| Camp Borden..... | 290.0 | 320.0 | 263.4 | 56.6 | ..... |
| Cannington..... | 155.5 | 161.9 | 152.8 | 9.1 | ..... |
| Chatsworth..... | 51.7 | 53.2 | 61.2 | ..... | 8.0 |
| Chesley..... | 406.9 | 407.5 | 464.0 | ..... | 56.5 |
| Coldwater..... | 290.9 | 257.3 | 234.6 | 22.7 | ..... |
| Collingwood..... | 1,458.3 | 1,339.9 | 1,293.8 | 46.1 | ..... |
| Cookstown..... | 52.5 | 59.0 | 52.9 | 6.1 | ..... |
| Creemore..... | 107.2 | 121.4 | 96.0 | 25.4 | ..... |
| Dundalk..... | 145.1 | 148.8 | 163.0 | ..... | 14.2 |
| Durham..... | 627.3 | 392.1 | 712.3 | ..... | 320.2 |
| Elmvale..... | 145.4 | 147.4 | 148.8 | ..... | 1.4 |
| Elmwood..... | 63.8 | 65.1 | 51.3 | 13.8 | ..... |

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933—Continued

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|-----------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Flesherton..... | 87.0 | 79.8 | 75.9 | 3.9 | ..... |
| Grand Valley..... | 121.1 | 123.8 | 108.3 | 15.5 | ..... |
| Gravenhurst..... | 622.0 | 574.0 | 672.5 | ..... | 98.5 |
| Hanover..... | 1,002.7 | 1,042.9 | 910.4 | 132.5 | ..... |
| Hepworth..... | 24.1 | 24.1 | 25.7 | ..... | 1.6 |
| Holstein..... | 20.9 | 18.7 | 16.6 | 2.1 | ..... |
| Huntsville..... | 1,023.5 | 1,047.0 | 955.8 | 91.2 | ..... |
| Kincardine..... | 434.8 | 407.5 | 564.3 | ..... | 156.8 |
| Kirkfield..... | 31.0 | 28.6 | 22.8 | 5.8 | ..... |
| Lucknow..... | 222.5 | 187.0 | 222.5 | ..... | 35.5 |
| Markdale..... | 163.3 | 149.4 | 179.4 | ..... | 30.0 |
| McTier..... | 148.0 | 145.0 | 111.0 | 34.0 | ..... |
| Meaford..... | 431.6 | 394.7 | 395.4 | ..... | 0.7 |
| Midland..... | 2,723.7 | 3,345.6 | 2,408.6 | 937.0 | ..... |
| Mildmay..... | 63.1 | 66.7 | 71.5 | ..... | 4.8 |
| Mount Forest..... | 358.4 | 328.4 | 329.5 | ..... | 1.1 |
| Neustadt..... | 33.5 | 30.0 | 34.0 | ..... | 4.0 |
| Orangeville..... | 550.3 | 621.0 | 585.4 | 35.6 | ..... |
| Owen Sound..... | 3,202.4 | 3,338.5 | 3,077.0 | 261.5 | ..... |
| Paisley..... | 113.1 | 114.4 | 118.6 | ..... | 4.2 |
| Penetanguishene..... | 552.3 | 561.1 | 658.7 | ..... | 97.6 |
| Port Carling..... | 126.0 | 128.0 | 105.0 | 23.0 | ..... |
| Port Elgin..... | 195.7 | 201.8 | 262.5 | ..... | 60.7 |
| Port McNicoll..... | 99.0 | 90.2 | 83.5 | 6.7 | ..... |
| Port Perry..... | 211.9 | 179.8 | 156.6 | 23.2 | ..... |
| Priceville..... | 15.7 | 16.0 | 16.7 | ..... | 0.7 |
| Ripley..... | 55.4 | 58.9 | 60.3 | ..... | 1.4 |
| Rosseau..... | 30.0 | 35.1 | 30.0 | 5.1 | ..... |
| Shelburne..... | 235.8 | 197.9 | 192.9 | 5.0 | ..... |
| Southampton..... | 233.2 | 235.9 | 205.9 | 30.0 | ..... |
| Stayner..... | 193.7 | 203.2 | 169.3 | 33.9 | ..... |
| Sunderland..... | 59.0 | 63.0 | 60.0 | 3.0 | ..... |
| Tara..... | 84.1 | 87.7 | 82.2 | 5.5 | ..... |
| Teeswater..... | 134.8 | 114.9 | 112.4 | 2.5 | ..... |
| Thornton..... | 23.4 | 18.3 | 17.9 | 0.4 | ..... |
| Tottenham..... | 55.7 | 64.3 | 62.2 | 2.1 | ..... |
| Uxbridge..... | 199.8 | 205.8 | 202.2 | 3.6 | ..... |
| Victoria Harbour..... | 64.3 | 76.4 | 77.3 | ..... | 0.9 |
| Victoria Road..... | 10.3 | 10.0 | 10.0 | ..... | ..... |
| Walkerton..... | 492.2 | 419.9 | 463.1 | ..... | 43.2 |
| Waubushene..... | 52.9 | 58.3 | 56.3 | 2.0 | ..... |
| Wiarton..... | 238.3 | 220.1 | 232.2 | ..... | 12.1 |
| Windsor..... | 25.0 | 31.0 | 33.0 | ..... | 2.0 |
| Wingham..... | 304.6 | 209.3 | 290.5 | ..... | 81.2 |
| Woodville..... | 65.1 | 61.0 | 55.2 | 5.8 | ..... |

NOTE: Formosa absorbed by Bruce R.P.D.

Hornings Mills absorbed by Shelburne R.P.D.

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1931-1932-1933

| Rural power district | Peak load in horsepower | | | Change in load 1932-1933 | |
|----------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Alliston..... | 92.2 | 107.1 | 69.3 | 37.8 | |
| Arthur..... | 3.2 | 3.2 | 3.2 | | |
| Bala..... | 56.0 | 61.0 | 93.0 | | 32.0 |
| Barrie..... | 196.3 | 220.7 | 233.4 | | 12.7 |
| Baysville..... | | 36.2 | 45.5 | | 9.3 |
| Beaumaris..... | 83.1 | 85.8 | 110.0 | | 24.2 |
| Beaverton..... | 47.2 | 157.3 | 137.6 | 19.7 | |
| Beeton..... | | 2.0 | 5.0 | | 3.0 |
| Bradford..... | 20.0 | 46.7 | 42.8 | 3.9 | |
| Bruce..... | 50.3 | 61.1 | 103.3 | | 42.2 |
| Buckskin..... | 12.0 | 13.0 | 12.0 | 1.0 | |
| Cannington..... | 41.5 | 44.0 | 35.7 | 8.3 | |
| Chatsworth..... | 9.8 | 10.3 | 8.9 | 1.4 | |
| Cookstown..... | 0.8 | 0.8 | 0.8 | | |
| Creemore..... | 20.1 | 56.2 | 55.0 | 1.2 | |
| Elmvale..... | 63.2 | 72.4 | 66.3 | 6.1 | |
| Flesherton..... | 5.5 | 7.3 | 8.0 | | 0.7 |
| Gravenhurst..... | 32.1 | 37.2 | 27.7 | 9.5 | |
| Hawkestone..... | 56.3 | 84.1 | 93.4 | | 9.3 |
| Huntsville..... | 14.0 | 20.0 | 48.2 | | 28.2 |
| Innisfil..... | 135.4 | 162.2 | 191.7 | | 29.5 |
| Mariposa..... | 151.4 | 151.4 | 136.2 | 15.2 | |
| Markdale..... | 2.0 | 20.9 | 33.4 | | 12.5 |
| Medonte..... | 11.0 | 17.0 | 21.0 | | 4.0 |
| Midland..... | 14.0 | 19.0 | 21.0 | | 2.0 |
| Nottawasaga..... | 29.6 | 30.3 | 28.1 | 2.2 | |
| Orangeville..... | 35.5 | 33.1 | 34.9 | | 1.8 |
| Owen Sound..... | 8.0 | 10.0 | 53.0 | | 43.0 |
| Port Perry..... | 103.1 | 121.8 | 141.0 | | 19.2 |
| Ripley..... | 10.0 | 10.0 | 10.3 | | 0.3 |
| Sauble..... | 8.0 | 8.8 | 12.3 | | 3.5 |
| Shelburne..... | 9.6 | 21.1 | 29.3 | | 8.2 |
| Sparrow Lake..... | 98.4 | 119.8 | 124.1 | | 4.3 |
| Tara..... | 45.7 | 54.0 | 50.0 | 4.0 | |
| Thornton..... | 12.0 | 12.7 | 16.3 | | 3.6 |
| Utterson..... | 24.0 | 35.0 | 43.9 | | 8.9 |
| Uxbridge..... | 102.5 | 104.5 | 105.1 | | 0.6 |
| Wasaga Beach..... | 76.0 | 92.5 | 114.6 | | 22.1 |
| Wroxeter..... | 104.2 | 99.5 | 106.2 | | 6.7 |

NOTE: Georgina R.P.D. absorbed by Beaverton R.P.D.

Cannington R.P.D. includes what was formerly known as Cannington R.P.D. No. 1 and No. 2 districts.

EASTERN ONTARIO SYSTEM

The load on the Eastern Ontario system continued at a slightly lower level during the earlier months of the fiscal year. However, beginning with the month of April, a gradual improvement began and continued until the end of the year. The peak demand for the month of October exceeded the peaks for the corresponding months of 1931 and 1932 and almost equalled the peak of 1930 which is the maximum peak on record for this month. The kilowatt-hours used in the month of October are the maximum recorded for the month of October in any year.

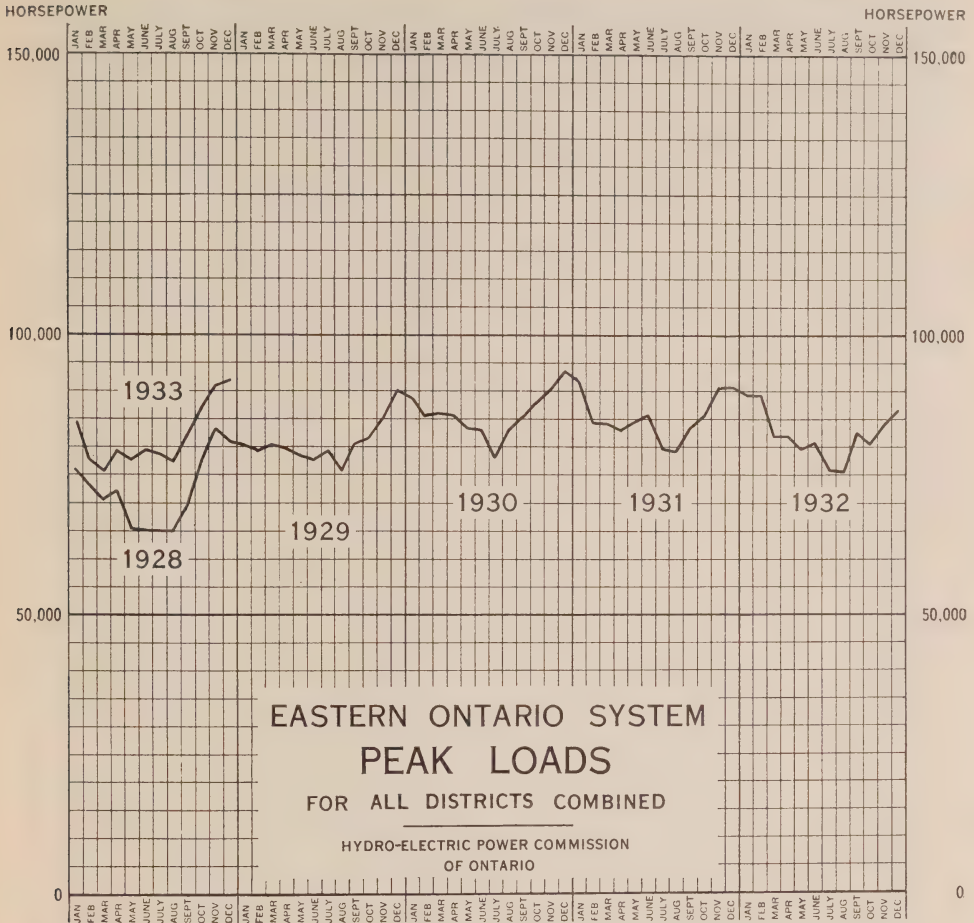
District Load Conditions

In the Central Ontario district the load showed signs of an underlying improvement about the end of February, the downward trend of the load being less than usual for the season. During subsequent months the improvement became more evident. By June the load had recovered all lost ground, and thereafter continued to exceed the loads of the corresponding months of the previous year, with a slight exception in September. The peak load for the month of October shows an increase of more than six per cent over the peak for the corresponding month of 1932.

A survey of the municipal and industrial loads in this district indicates a rising tendency during the latter months of the year. It should be noted that one large industrial customer who was taking a load of more than 3,000 horsepower in October, 1932, has not operated throughout the year 1933. If this customer is left out of consideration when analyzing the load trend in the remainder of the district, it will be evident that there has been a definite improvement in load conditions in the Central Ontario district during the latter part of 1933.

The Ottawa district load maintained approximately the same level on peak as in 1932 until early in September when the load showed a slight increase which continued into October. The monthly average loads show a slight decrease but approximate those of the two previous years. It will be noted that the monthly peak loads in this district have continued to show, with few exceptions, increases over the corresponding months of the previous years. This is primarily due to the fact that the industrial load, which has suffered the greatest losses as a result of the depression, represents only a small percentage of the total load in this district. It also indicates that the residential and commercial load has made increases which more than off-set any industrial decreases.

The St. Lawrence district load was somewhat irregular during the earlier months of the year, but was consistently higher than the 1932 peak loads after the month of March. The 1933 peak-load curve crossed the 1931 curve early in the month of July and continued to show an increase until the end of the year. The peak demand for the month of October exceeded the maximum monthly peak on record for this district.



The monthly average loads on the St. Lawrence district showed a slight decrease during the months of January and February in comparison with the corresponding months of 1932, but were almost identical with those of 1931. However, the average load for the month of March exceeded the average load recorded during any previous month, and the load continued to increase until the end of the year. While certain of the municipalities and industrial customers show an increase on both peak and average load, one large industrial customer was chiefly responsible for the increase shown by the district as a whole.

The Rideau district has maintained approximately the same levels on both peak and average loads as in 1931 and 1932.

The Madawaska district load conditions were slightly below the 1932 level during the earlier months of the year but made a recovery in the early part of July and continued to show a slight increase until the end of the year.

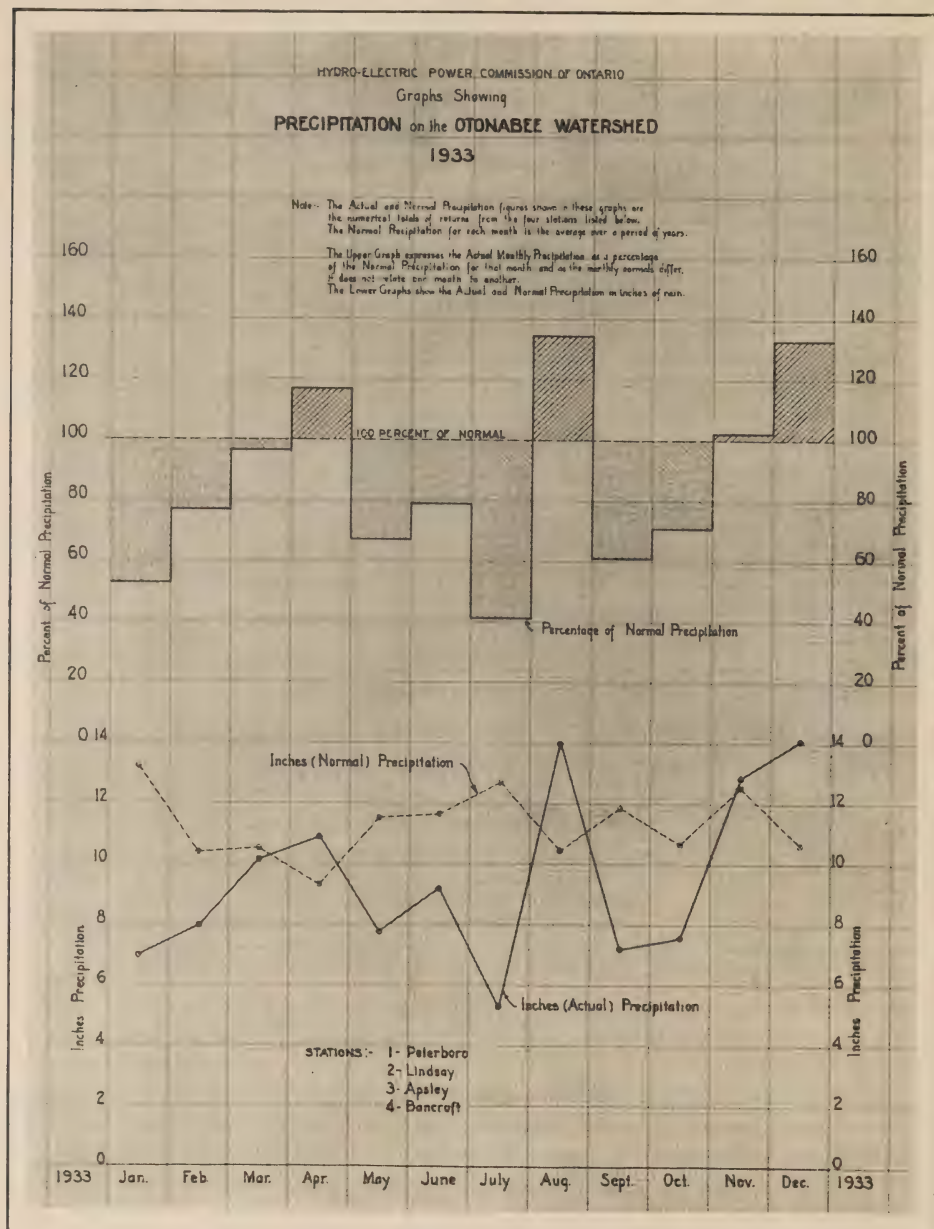


PLATE A—PRECIPITATION DATA—1933

The upper graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal return of the Meteorological Service for Peterboro, Lindsay, Bancroft and Haliburton.

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent, hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

The lower graph shows the actual and normal precipitation in inches of rain

Graph No. 3—Average daily wastage at all H.E.P.C. plants. In the weekly aggregate the area under this graph equals the wastage represented by the dotted hatched area between curves 2 and 1a.

Graph No. 5—Midnight elevations of Rice Lake.

Graph No. 6—Midnight elevations of Heely-Hastings reach.

*Operating week changed to end Sunday midnight instead of Friday midnight. The period shown ending December 1st covers two days only.

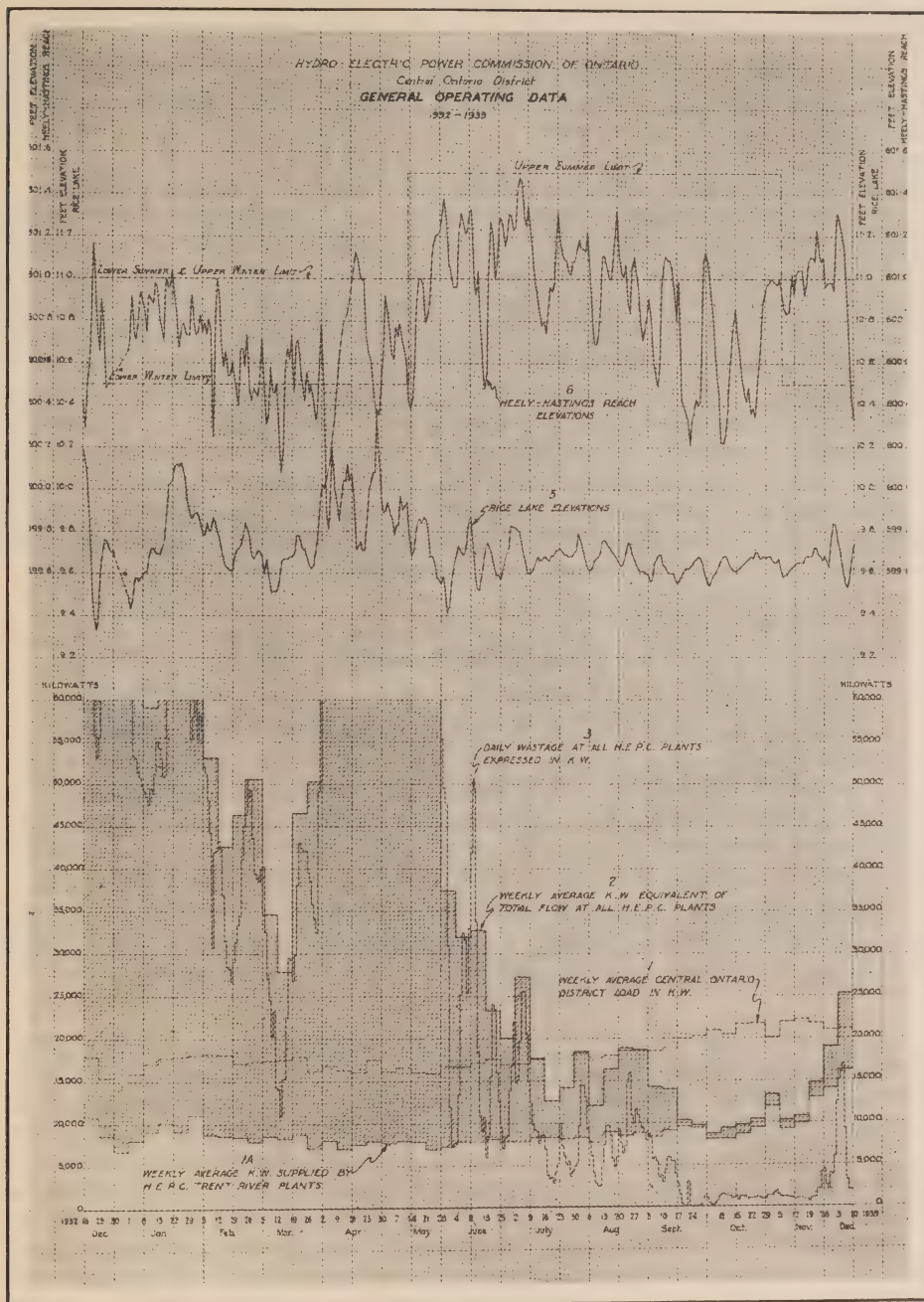


PLATE B—GENERAL OPERATING DATA

December 16, 1932, to December 20, 1933

Notes for Eastern Ontario District General Operating Data Curves

Graph No. 1—System average weekly load in kilowatts which includes power purchased from the Gattineau Power Company.

Graph No. 1a—Weekly average load in kilowatts supplied by H.E.P.C. plants on the Trent and Otonabee rivers.

Graph No. 2—Weekly average power equivalent of total flow at all H.E.P.C. Plants. This equals the weekly average load supplied by these plants, plus the power equivalent of the weekly average wastage at these plants. This wastage is shown by the dotted hatched area between curves 2 and 1a.

(Explanation continued on page 38, facing)

Stream Flow—Trent River

Stream flow in the Trent river, from which the Central Ontario district obtains the greater part of its power supply, showed a heavy surplus over power requirements during the first seven months of the fiscal year due to the heavy precipitation experienced in the late summer and fall of 1932, and during the first part of the winter months of 1932-33. However, from the beginning of May, 1933, until the end of October, rainfall was consistently below normal, excepting the month of August, with the result that very critical periods of low stream flow were experienced during the months of September and October. Some of the weekly average flows experienced during this time were even lower than those experienced in 1931, and represent the lowest on the Commission's records, which date back to 1916. The capacity of the Commission's generating stations on the Trent river was very seriously reduced during these periods of low stream flow. The weekly average available capacity of these generating stations during the week of minimum stream flow amounted to only 11,720 horsepower, and this, in terms of the district weekly load factor, gives a peak capacity of 18,000 horsepower, or a reduction in peak capacity of approximately 35,000 horsepower. Serious load reductions would have had to be made had not the supply of Gatineau power been available.

Generating Stations

Continuing the same plan of operation followed in 1932, as mentioned in the previous issue of this Report, Plant No. C-30 at Fenelon Falls and Plant No. C-5 at Frankford in the Central Ontario district, and Galetta generating station in the Madawaska district, were maintained throughout the year on a standby basis.

During the year the usual programme of station and line maintenance work was carried out. An outline of the work done is given in the following paragraphs.

At Sidney, plant No. C-2, the four main turbines and the exciter turbine were unwatered. Inspection indicated that no extensive maintenance work was necessary. The lower guide bearings on two of the main turbines were rebabbitted. All governors were dismantled and thoroughly cleaned; defective bearings being replaced where necessary. All the low-tension oil-breakers were overhauled. Three defective bushings were replaced on one of the generator 10,000-volt oil-breakers. The direct-current cables to all generators were replaced. All the power-house floors and the walls and ceiling of the thrust deck were painted. The entire roof of the power house was treated with a roofing compound.

At Frankford, plant No. C-5, no extensive maintenance work was found necessary. One turbine was overhauled. The low-tension electrolytic lightning arresters were overhauled. The core wall between the tail race and the river was repaired. This plant was maintained on a standby basis during the year and was only placed in operation on occasions when the additional capacity was required.

At Meyersburg, plant No. C-8, all turbines were unwatered and inspected and the racks were cleaned. The governors were overhauled and painted. All the high-tension oil-breakers were overhauled. One defective 44,000-volt bushing was replaced in the station service oil-breaker.

At Hagues Reach, plant No. C-9, all turbines were unwatered and inspected and the racks were cleaned. The bearings of one turbine were tightened. A quantity of debris was removed from the wheel pits. The governors were overhauled and painted. One of the 1,350-kv-a. 44,000-volt transformers failed in service on July 7. Tests and inspection showed that one of the high-tension coils in one phase had failed, and the complete section of winding was returned to the manufacturer for repairs. Following repairs this transformer was again placed in service on August 28. All the high-tension oil-breakers were overhauled. A defective 44,000-volt bushing was replaced on one of the station service transformers.

At Ranney Falls, plant No. C-10, the forebay was unwatered and the racks were cleaned. The governors were overhauled and painted. A new 58-volt storage battery was installed, replacing the defective battery used in connection with the supervisory remote control equipment. Current transformers were installed in the neutrals of each of the 4,500-kv-a. generators for protective purposes. The high-tension oil-breakers were overhauled. All connections to the 6,600-volt buses were overhauled. The generator room floor, steel window sash and the low-tension gallery floors were painted.

At Seymour, plant No. C-11, the forebay was unwatered and the racks were cleaned. The exciter turbine and two of the main turbines were overhauled. On one of the turbines the crown gear, countershaft and bearings had to be replaced. All the governors were overhauled. The high-tension oil-breakers and electrolytic lightning arresters were overhauled. The armature of the turbine exciter failed in service and was returned to the manufacturer where it was rewound. Disconnecting switches were installed on the bus side of two of the low-tension feeder oil-breakers.

At Heely Falls, plant No. C-14, the turbines were unwatered and inspected but no extensive maintenance work was found necessary. The glands on each turbine were repacked. The screen on the Pelton wheel of one unit was cleaned and the debris was removed from the pit of another unit. The racks in front of the penstocks were cleaned. Three new 44,000-volt side-opening disconnecting switches were installed on one of the main transformer banks. The high-tension and low-tension oil-breakers and lightning arresters were overhauled. Extensive painting was carried out on the floors, walls, ceilings and steel window sash in the control room, in the low-tension galleries and on the low-tension cell structures.

At Auburn, plant No. C-18, the forebay was unwatered and the racks were cleaned. The walls of the forebay were inspected. One turbine was overhauled. All the coils in each generator were examined and tightened, and all generators were thoroughly cleaned and painted. The low-tension electrolytic lightning arresters were overhauled.

At Fenelon Falls, plant No. C-30, the turbines were unwatered and completely overhauled. On one turbine a new set of 24 gate connecting rods was made up and installed. New pins were installed in the regulating ring. The gate stem shaft bearings were bored out and bushed, and a new gate stem shaft was installed. On the second turbine 24 new gate bolts were installed in the regulating ring and all the worn holes in the gate arms were welded. One of the 400-kv-a. generators failed in service under normal operating conditions on September 9. Approximately 60 coils were completely destroyed, 100 coils were damaged and a section of the lamination which forms the coil slots was badly burned. This generator has been in service for more than thirty years. and the cause of the failure was undoubtedly due to deterioration of the insulation on the bars. This machine will be completely rebuilt following reinsurance of all the coils by the Commission's Service Department. A broken section of the power house wall on the side next to the river was torn out and rebuilt.

At High Falls generating station on the Mississippi river the gate operating mechanism of one turbine was completely overhauled. Due to some obstruction the gate spindle in the gate house was bent when lowering the gate, but satisfactory repairs were made by the Commission's maintenance staff.

At Calabogie generating station on the Madawaska river one of the main turbines and the exciter turbine were unwatered and inspected but no extensive maintenance work was found necessary. The 33,000-volt and 6,600-volt electrolytic lightning arresters were completely overhauled. All interior and exterior woodwork was painted. The lower layer of brick along the tail race wall was renewed up to the sills of the lower windows.

At Galetta generating station on the Mississippi river, one turbine was unwatered for the purpose of making minor repairs and adjustments. The 11,000-volt electrolytic lightning arresters were overhauled.

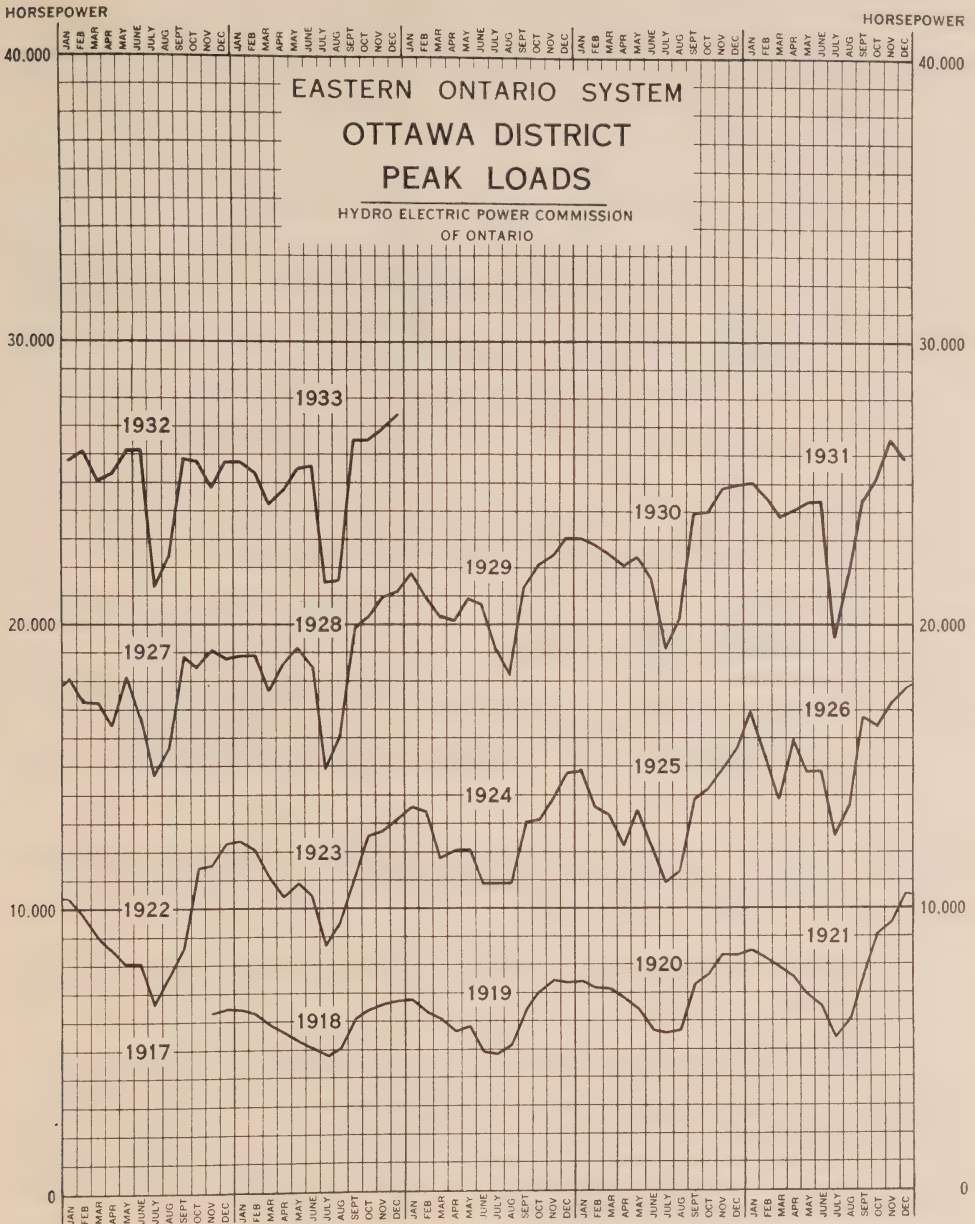
Municipal, Distributing and Switching Stations

At Auburn transformer station the high-tension oil-breakers and electrolytic lightning arresters were overhauled. One defective 44,000-volt oil-breaker bushing was replaced.

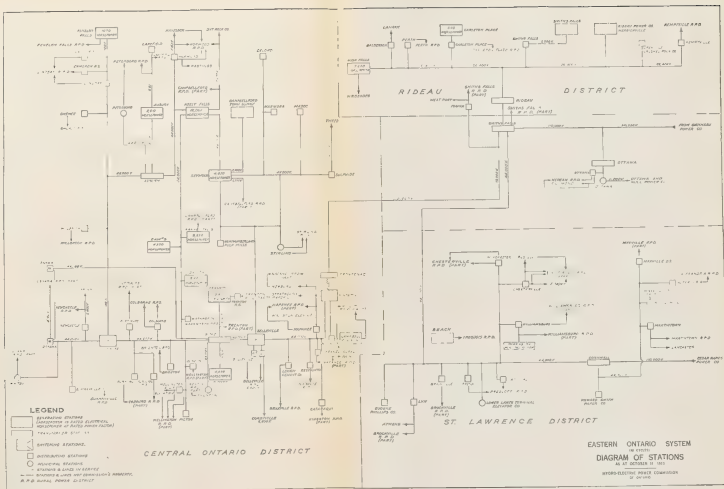
At Belleville switching station all the high-tension oil-breakers were overhauled. New fences were built enclosing the station property and the switch structures. The station site was greatly improved by grading.

At Belleville distributing station No. 1, a chain link fence was built partially enclosing the station property. The station site was improved by grading.

At Colborne distributing station new insulators were installed on the 44,000-volt lightning arrester horn gaps and new conductor was installed between the horn gaps and the 44,000-volt inlet bushings. A defective low-tension lightning arrester was replaced on the Colborne feeder.



At Cobourg distributing station the high-tension and low-tension oil-breakers were overhauled. A new 24-volt storage battery with trickle charger was installed to supply tripping potential for the high-tension and low-tension oil-breakers. A new gravity balance graphic wattmeter was installed to record the load of Cobourg and the existing solenoid type graphic wattmeter was reconnected with the necessary r-kv-a. resistances for recording the r-kv-a. load. Individual phase ammeters were installed on all the low-tension feeders and on the two transformer panels. All the electrical equipment was phase



At Oshawa No. 1 distributing station the high-tension oil-breakers were overhauled on two occasions. The low-tension oil-breakers were overhauled once. All electrical equipment was phase marked. The station site was improved by grading and filling in the low areas at the back of the property. The station floors were all painted.

At Oshawa condenser station the bearings of the 5,000-kv-a. condenser were inspected and cleaned. The collector rings were ground and polished. The starting switch of the 75-h.p. motor was overhauled. A new endless belt was installed on the exciter of the 1,000-h.p. condenser. The steelwork, crane and floors were painted.

At Ottawa 110,000-volt transformer station a defective bushing was replaced on one of the 110,000-volt oil-breakers. Defective supports were replaced on the 110,000-volt bus structure. A graphic instrument was installed at this station whereby a remote record is obtained of the total power supplied to the Commission by the Gatineau Power Company under the 60-cycle contract. The instrument transformers, thermal converters, etc., used in connection with this metering equipment, are installed at the Gatineau Power Company's terminal station at Valtetreau.

At Picton distributing station defective insulators and pins were replaced on the 44,000-volt bus. The 44,000-volt air-break switch was overhauled. The transformers were inspected and painted. A coat of roofing compound was applied to the station roof. The property fence was painted.

At Port Hope switching station all the high-tension oil-breakers were overhauled on two occasions.

At Port Hope distributing station the high-tension and low-tension oil-breakers were overhauled. Defective lightning arresters were replaced on two of the low-tension feeders.

At Sidney terminal station the high-tension oil-breakers and high-tension electrolytic lightning arresters were completely overhauled. All the old pin-type insulators were replaced on the outdoor high-tension structures. The old station roofing was completely removed and replaced by three layers of three-ply felt, each layer being rolled in hot asphalt. A coat of roofing compound was applied to the roof of the lightning arrester annex. The station floors were painted.

At Smiths Falls transformer station the two 1,250-kv-a. single-phase transformers and the 1,500-kv-a. three-phase transformer which failed in service on August 27, 1932, were repaired and again placed in service on November 6, 1932. The tap leads on the remaining two 1,250-kv-a. transformers were reinsulated to prevent the possibility of similar trouble damaging these transformers.

At Williamsburg distributing station a second 100-kv-a. 44,000-volt single-phase transformer was installed and placed in service on March 15.

At Wellington distributing station the 44,000-volt air-break switch was overhauled. The 300-kv-a. transformer was thoroughly cleaned and painted. The station floor and the property fence posts were painted. A coat of roofing compound was applied to the station roof.

High-Voltage Transmission Lines

Work in connection with the inspection and maintenance of high-voltage transmission lines was actively carried out during the year. Approximately 38,000 pin-type insulators were inspected, and 1,400 were found defective and replaced. Approximately 10,000 poles were examined, of which over 900 were found defective at the ground line and were stubbed. A considerable number of poles were straightened and reset. Defective crossarms and timbers were replaced where necessary. Approximately 8,800 poles were treated with a chemical preservative. The usual programme of tree trimming and weed cutting was carried out on various high-tension line sections. Defective power and telephone conductors were replaced where necessary. A number of highway, railway and foreign wire crossings were rebuilt to conform with present-day requirements. Approximately 600 feet of defective twenty-pair telephone cable was replaced between plants No. C-9 and No. C-10. This cable is used in connection with the operation of the supervisory remote-controlled plants No. C-8 and No. C-9 which are controlled from plant No. C-10, Ranney Falls, near Campbellford.

Meter Department and Repair Shops

The usual programme of routine work in connection with the maintenance of metering and relay equipment was carried out by the Meter department. A series of special ground resistance tests were made at a number of stations with a view to improving the high-tension neutral and high-tension arrester grounds. Tests were also made on several of the station low-tension metering grounds, and on station fences, etc., with a view to removing any possible hazard due to potential gradients. Improvements were made at a number of stations through the co-ordination of the high-tension and low-tension fuses. Phase marking of high-tension lines and equipment was carried out at a number of stations.

This department is available on request to any of the municipalities in connection with the investigation of technical problems in the field.

The Belleville machine and meter repair shop has continued the usual programme of testing and repairing the various types of service meters for municipal and rural systems. A certain amount of work was also carried out in connection with repairs and replacement parts for hydraulic and electric apparatus.

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Alexandria | 184.5 | 212.9 | 227.7 | ..... | 14.8 |
| Apple Hill | 28.0 | 30.1 | 32.4 | ..... | 2.3 |
| Athens | 74.2 | 82.4 | 74.4 | 8.0 | ..... |
| Bath ..... | ..... | 23.4 | 29.2 | ..... | 5.8 |
| Belleville | 3,687.5 | 3,701.4 | 3,786.6 | ..... | 85.2 |

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1931-1932-1933
—Continued

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|---------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Bloomfield..... | 87.8 | 73.4 | 76.1 | | 2.7 |
| Bowmanville..... | 1,551.4 | 1,546.2 | 1,528.8 | 17.4 | |
| Brighton..... | 284.8 | 270.7 | 279.9 | | 9.2 |
| Brockville..... | 2,271.2 | 2,380.1 | 2,329.1 | 51.0 | |
| Cardinal..... | 131.3 | 139.7 | 142.3 | | 2.6 |
| Carleton Place..... | 848.5 | 966.5 | 1,030.8 | | 64.3 |
| Chesterville..... | 197.7 | 191.1 | 159.9 | 31.2 | |
| Cobourg..... | 1,468.6 | 1,424.7 | 1,501.3 | | 76.6 |
| Colborne..... | 182.3 | 163.6 | 126.8 | 36.8 | |
| Deseronto..... | 146.8 | 148.6 | 118.5 | 30.1 | |
| Finch..... | 38.9 | 42.3 | 44.9 | | 2.6 |
| Hastings..... | 73.7 | 65.2 | 73.9 | | 8.7 |
| Havelock..... | 227.9 | 175.6 | 131.3 | 44.3 | |
| Kemptville..... | 241.9 | 241.3 | 246.2 | | 4.9 |
| Kingston..... | 4,580.0 | 5,105.2 | 5,429.6 | | 324.4 |
| Lakefield..... | 227.7 | 209.7 | 223.8 | | 14.1 |
| Lanark..... | 61.8 | 64.7 | 71.8 | | 7.1 |
| Lancaster..... | 62.9 | 33.6 | 43.8 | | 10.2 |
| Lindsay..... | 1,718.9 | 1,564.5 | 1,760.1 | | 195.6 |
| Madoc..... | 165.7 | 153.6 | 152.1 | 1.5 | |
| Marmora..... | 89.2 | 85.8 | 84.7 | 1.1 | |
| Martintown..... | 26.1 | 21.5 | 21.8 | | 0.3 |
| Maxville..... | 72.6 | 80.4 | 85.2 | | 4.8 |
| Millbrook..... | 68.9 | 79.6 | 75.6 | 4.0 | |
| Napanee..... | 1,015.2 | 935.2 | 978.7 | | 43.5 |
| Newburgh..... | 41.0 | 42.6 | 45.6 | | 3.0 |
| Newcastle..... | 82.5 | 64.2 | 101.0 | | 36.8 |
| Norwood..... | 135.3 | 116.3 | 96.1 | 20.2 | |
| Omeme..... | 76.6 | 77.4 | 97.7 | | 20.3 |
| Orono..... | 58.5 | 78.3 | 78.6 | | 0.3 |
| Oshawa..... | 7,369.9 | 6,494.6 | 6,722.5 | | 227.9 |
| Ottawa..... | 24,841.8 | 25,758.6 | 26,208.0 | | 449.4 |
| Perth..... | 1,069.1 | 1,038.9 | 1,135.4 | | 96.5 |
| Peterborough..... | 6,158.4 | 6,011.4 | 6,407.7 | | 396.3 |
| Picton..... | 887.4 | 871.6 | 869.8 | 1.8 | |
| Port Hope..... | 1,108.0 | 1,081.9 | 1,149.1 | | 67.2 |
| Prescott..... | 815.5 | 770.8 | 696.5 | 74.3 | |
| Richmond..... | 39.4 | 45.9 | 47.4 | | 1.5 |
| Russell..... | 57.9 | 42.6 | 51.1 | | 8.5 |
| Smiths Falls..... | 1,597.9 | 1,509.3 | 1,468.4 | 40.9 | |
| Stirling..... | 265.1 | 239.9 | 213.1 | 26.8 | |
| Trenton..... | 2,874.1 | 2,745.4 | 2,911.1 | | 165.7 |
| Tweed..... | 189.9 | 169.2 | 145.9 | 23.3 | |
| Warkworth..... | 75.8 | 67.7 | 73.4 | | 5.7 |
| Wellington..... | 205.9 | 191.7 | 167.5 | 24.2 | |
| Westport..... | | 65.1 | 69.4 | | 4.3 |
| Whitby..... | 1,028.5 | 1,009.4 | 987.9 | 21.5 | |
| Williamsburg..... | 69.7 | 142.1 | 198.4 | | 56.3 |
| Winchester..... | 216.4 | 235.7 | 231.5 | 4.2 | |

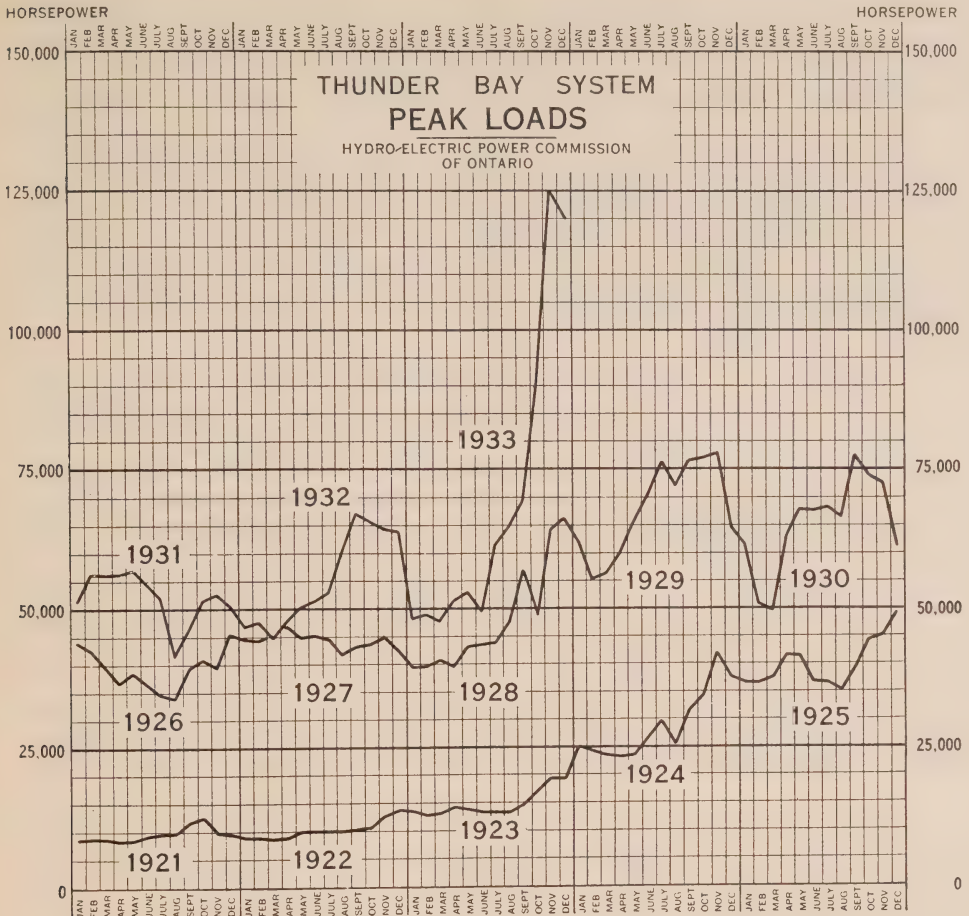
EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS, 1931-1932-1933

| Rural power district | Peak load in horsepower | | | Change in load 1932-1933 | |
|----------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Alexandria..... | 25.0 | 30.4 | 31.5 | | 1.1 |
| Belleville..... | 281.6 | 304.0 | 324.8 | | 20.8 |
| Bowmanville..... | 160.4 | 97.3 | 106.4 | | 9.1 |
| Brighton..... | 16.8 | 22.8 | 22.8 | | |
| Brockville..... | 269.0 | 288.1 | 298.2 | | 10.1 |
| Campbellford..... | 58.9 | 67.3 | 69.5 | | 2.2 |
| Chesterville..... | 184.5 | 186.2 | 184.3 | 1.9 | |
| Cobourg..... | 220.3 | 242.9 | 270.7 | | 27.8 |
| Colborne..... | 77.0 | 94.2 | 120.0 | | 25.8 |
| Fenelon Falls..... | 20.0 | 47.2 | 52.5 | | 5.3 |
| Iroquois..... | 415.5 | 445.0 | 428.1 | 16.9 | |
| Kemptville..... | 13.4 | 18.1 | 19.3 | | 1.2 |
| Kingston..... | 265.7 | 296.2 | 323.7 | | 27.5 |
| Lakefield..... | 10.0 | 32.7 | 34.3 | | 1.6 |
| Lindsay..... | 4.0 | 10.0 | 16.4 | | 6.4 |
| Martintown..... | 62.5 | 53.4 | 47.4 | 6.0 | |
| Maxville..... | 118.4 | 156.0 | 156.6 | | 0.6 |
| Millbrook..... | 31.9 | 34.3 | 36.3 | | 2.0 |
| Napanee..... | 145.8 | 177.2 | 213.9 | | 36.7 |
| Nepean..... | 563.8 | 624.3 | 590.6 | 33.7 | |
| Newcastle..... | 61.7 | 72.6 | 63.6 | 9.0 | |
| Norwood..... | 21.0 | 27.9 | 22.9 | 5.0 | |
| Omeme..... | 3.0 | 3.0 | 2.0 | 1.0 | |
| Oshawa..... | 667.1 | 677.0 | 626.2 | 50.8 | |
| Perth..... | 3.0 | 21.4 | 34.8 | | 13.4 |
| Peterborough..... | 476.4 | 420.4 | 391.1 | 29.3 | |
| Prescott..... | 92.0 | 109.8 | 106.4 | 3.4 | |
| Stirling..... | 46.2 | 48.1 | 46.2 | 1.9 | |
| Smiths Falls..... | 211.0 | 151.8 | 183.7 | | 31.9 |
| Trenton..... | 139.0 | 127.5 | 204.7 | | 77.2 |
| Warkworth..... | 3.0 | 3.0 | 3.0 | | |
| Wellington..... | 169.7 | 194.6 | 175.6 | 19.0 | |
| Williamsburg..... | 32.8 | 52.8 | 73.3 | | 20.5 |

THUNDER BAY SYSTEM

The load on the Thunder Bay System during the past fiscal year has shown a slight increase over that of the previous year. A large amount of power has been sold for the generation of steam electrically with the result that the average monthly energy generated showed an increase of 16.1 per cent and the average monthly peak an increase of 11.8 per cent over 1932. Excluding this steam load, the average monthly energy generated was 5.9 per cent greater and the average monthly peak 1.8 per cent higher in 1933 than in 1932.

The Nipigon Corporation Pulp Mill at Nipigon has not been operating during the year, but the station has been maintained alive, Nipigon township being supplied from this point.



Two new loads have been added to the system during the year. A bank of three 400 kv-a. transformers was placed in service at Cameron Falls generating station in September, supplying power to Northern Empire Mines at Empire, Ontario, over its 33,000-volt transmission line. On October 2, two 8,000-kw. electric steam-generators and auxiliary equipment at the Great Lakes Paper Company were placed in service. Power is supplied to this steam station over a short section of 110,000-volt line, which is tapped off the line to the main substation of this company.

Hydraulic maintenance work has been carried on at Cameron Falls generating station during the year, the major items being the repairing of the eroded areas of No. 3 and No. 6 turbines by welding the runners. As in former years, special attention has been given to the testing and adjustment of governors. During September a rather extensive programme of repairs to retaining walls and other concrete structures was begun. This work, however, is only about 20 per cent complete at the year end. The auxiliary hydraulic equipment has been maintained in first class condition.

No major maintenance work has been carried out on any of the generators at Cameron Falls generating station during the year. All power transformers at this station have operated satisfactorily, routine maintenance work only being required. The spare transformer, however, was completely overhauled.

Alexander generating station has given very satisfactory operating service, no major maintenance work being required on any equipment throughout the year. This station is supervisory controlled from Cameron Falls generating station. A few troubles have been experienced with this control equipment, but on the whole it has operated satisfactorily. The automatic synchronizer, which is used in connection with this supervisory control, has given excellent service throughout the year.

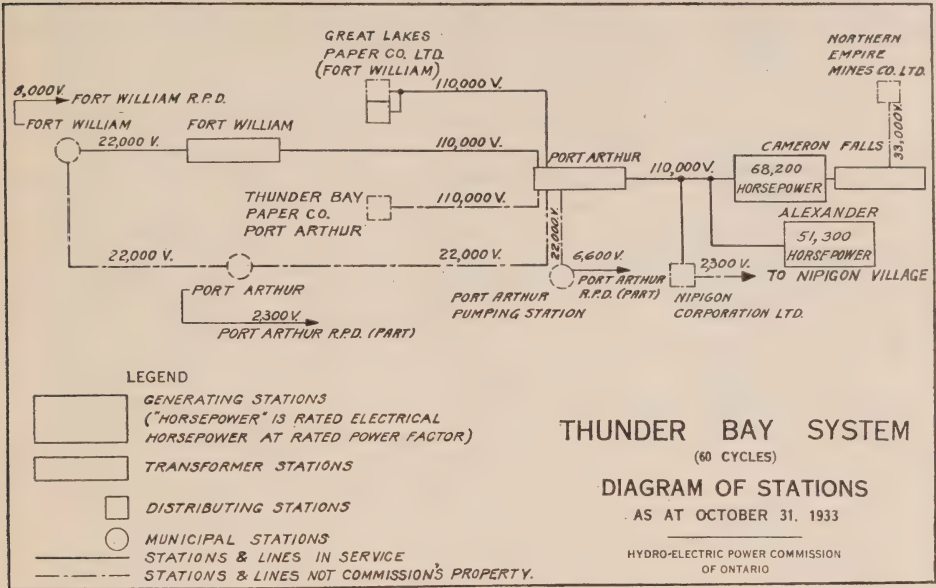
The service obtained from the transmission lines during the year has been very good. There have been no total system interruptions, although Port Arthur Fort William, Great Lakes Paper Co., and Thunder Bay Paper Co., were interrupted for $2\frac{1}{2}$ minutes on one occasion when No. 2 and 3 lines tripped out at both ends and No. 1 line tripped out at Port Arthur during an electrical storm, leaving No. 1 line alive to feed Nipigon Corporation. In addition to this, Great Lakes Paper Co. suffered four interruptions of short duration, two due to accidental operation of oil-breaker 2P1G during wiring alterations for new relays at Port Arthur transformer station, and two due to flashovers during electrical storms. Fort William experienced one two-minute interruption when a bird caused a transmission line flashover. Flashovers during electrical storms were responsible for two interruptions, one of 21 minutes and the other of 7 minutes duration, to Nipigon Corporation station. The service to Northern Empire Mines was interrupted on two occasions due to trees falling across the line.

Special attention has been given to testing the line insulators and replacing those found faulty. Also, the line conductors were closely inspected for broken or loose strands and these were repaired where necessary. Some other maintenance work has been done on the wood-pole lines in tightening guys, etc. Brush was cut along certain sections of the right-of way.

The Port Arthur transformer station has had no curtailment of service to any customers due to failures of equipment. New relay equipment was placed in service on all 110,000-volt lines, both incoming and outgoing, at this station. While sufficient time has not yet elapsed to make a definite statement regarding the improvement to service, the time of operation of the breaker equipment has been materially reduced, resulting in faster clearances of faults and hence less disturbance to the system. Routine inspection and maintenance of the 110,000-volt oil-breakers and transformers has been carried on throughout the year. Connections to the three 110,000-volt lines were altered so that two or three lines could be fed through one oil-breaker, thus enabling the other oil-breakers to be taken out of service for maintenance purposes.

The Fort William transformer station has had no failure of equipment or incorrect functioning of relays or breakers. Routine maintenance work only was required at this station.

The precipitation in the watershed supplying this system has been relatively heavy during the year, approximately 28 inches being recorded. With the light



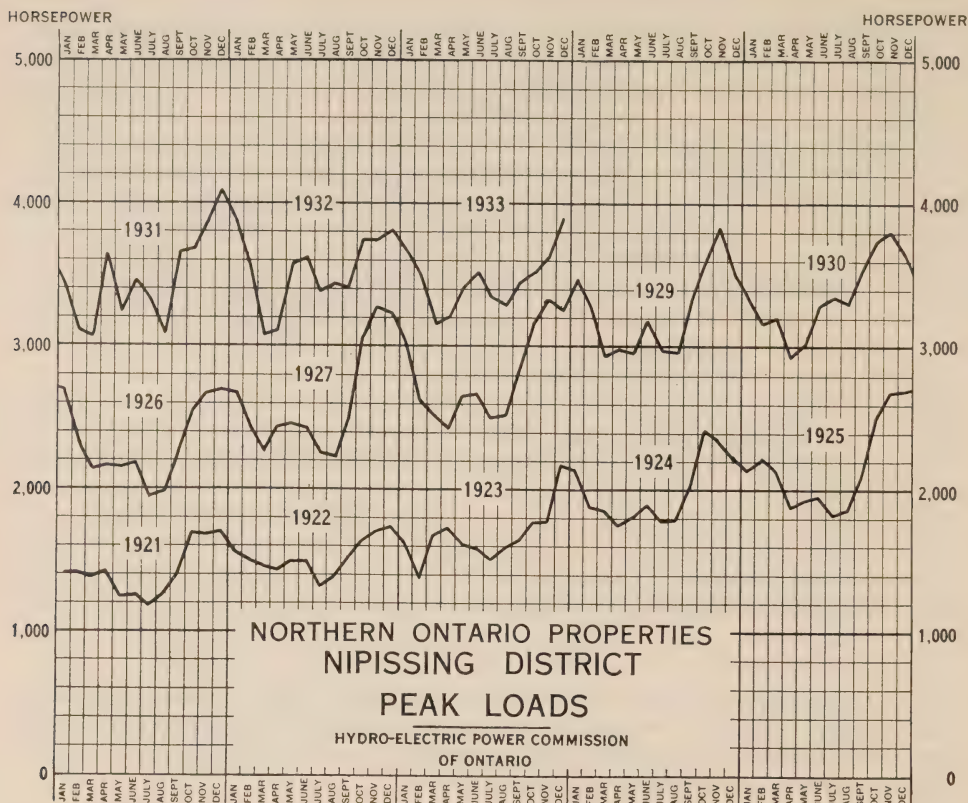
load on the system and the heavy precipitation it was found necessary to waste a considerable amount of water at both plants during the greater part of the year. Notwithstanding the high river flow, the level of lake Nipigon has been raised about 6 inches during the year.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|-----------------------|-------------------------|-----------|-----------|--------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Fort William..... | 11,451.7 | 10,916.7 | 10,932.0 | ..... | 15.3 |
| Nipigon Township..... | 70.3 | 83.0 | 101.1 | ..... | 18.1 |
| Port Arthur..... | 27,024.4 | 35,195.1 | 33,205.5 | 1,989.6 | ..... |

THUNDER BAY SYSTEM—LOADS OF RURAL POWER DISTRICTS

| Rural power district | Peak load in horsepower | | | Change in load 1932-1933 | |
|----------------------|-------------------------|-----------|-----------|--------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |
| Fort William..... | | 35.0 | 80.0 | ..... | 45.0 |
| Port Arthur..... | | 23.7 | 33.2 | ..... | 9.5 |



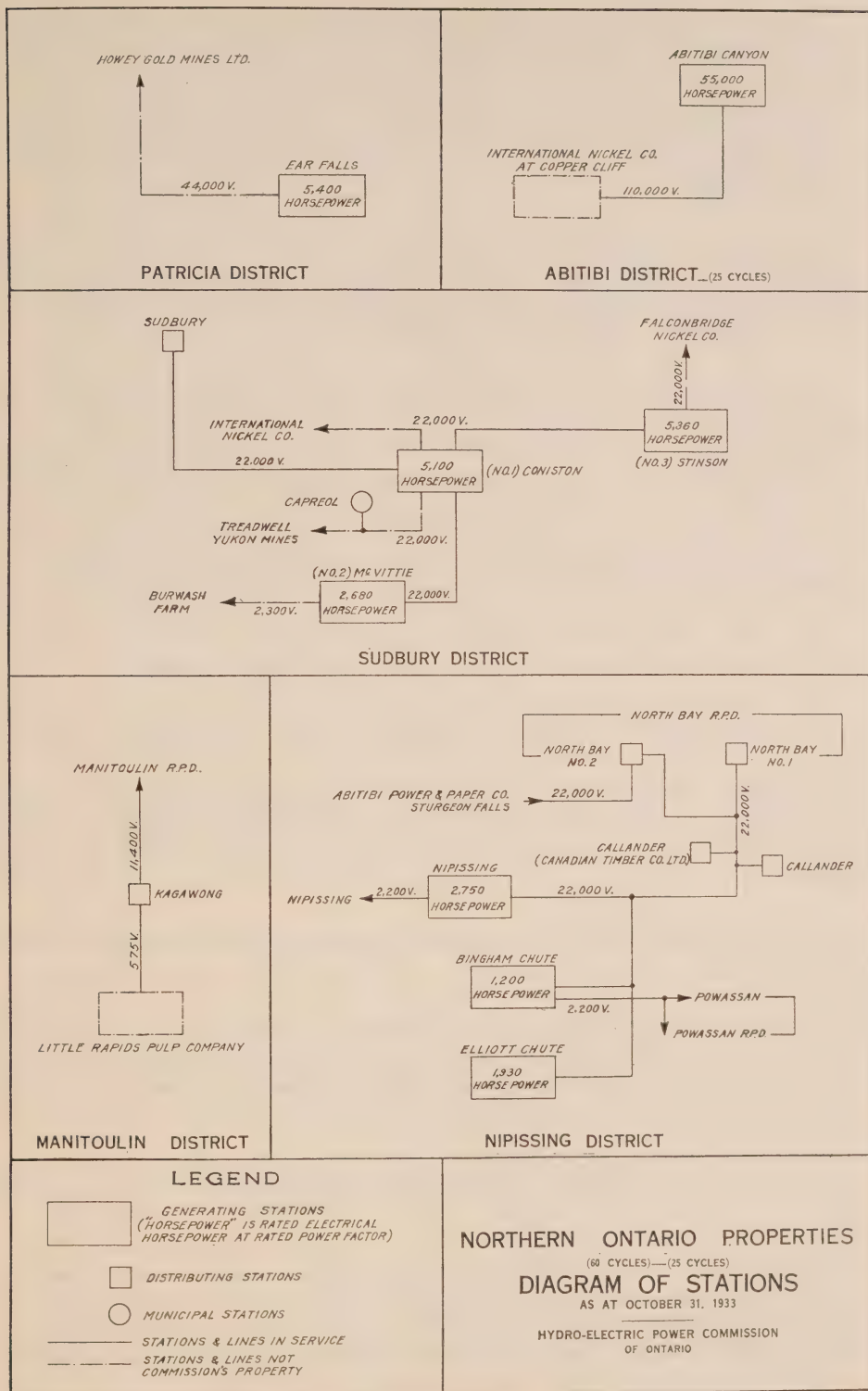
NORTHERN ONTARIO PROPERTIES

Nipissing District

Although the generated peak and average loads on the Nipissing district show slight increases for some months over the corresponding months of the previous year, a small decrease in load is shown when the records for the entire year are compared with those of the previous year.

The greater storage facilities provided during recent years permitted the retention in storage of more water during the spring flood period than in previous years, with the result that river flow has been satisfactorily maintained despite an unusually dry summer.

The chief item in the line maintenance programme for the year was the replacement of all defective poles, crossarms, insulators and insulator pins on the Callander to North Bay, Bingham Chute junction to Callander, and Elliott Chute junction to Bingham chute junction sections. All line crossings over railways or foreign wires which were found to be substandard, were brought up to the standards required by the Board of Railway Commissioners.



At Nipissing generating station, new Niagara bronze runners were installed in each of the two turbines to replace the cast iron runners which had eroded to an extent that made economical repairs impossible. Minor repairs and adjustments to both turbines were also undertaken. Considerable painting was done on buildings and equipment as a protective measure. The design of the pistons in the governor oil pumps was changed to eliminate the oil leakage permitted by the old design.

A number of leaks in the wood-stave pipe line were stopped by covering each leak with a layer of tarred felt held in place by a steel plate pre-formed to the curvature of the pipe and inserted under the pipe bands. Several of the pipe line supporting saddles were also renewed.

At Bingham Chute generating station, very little maintenance work was found necessary on the turbines. Renewal of gate link pins on No. 2 unit, renewal of lignum vitae bearings and adjustment of journal bearings on both units were undertaken. One 300-kw. power transformer at this station failed in service due to development of a leak in the bronze cooling coils. Repairs were made to the winding, the defective coils were replaced with new copper coils, and the old oil, which was known to be slightly high in acid content, was replaced with new oil. Renewal of coils and oil in the remaining two transformers in the three-phase bank is being undertaken to safeguard against similar failures in these units. The choke coils were removed from the 22,000-volt structure. Earth resistances were measured and station grounding improved.

The chief operator's cottage at this station was completely redecorated.

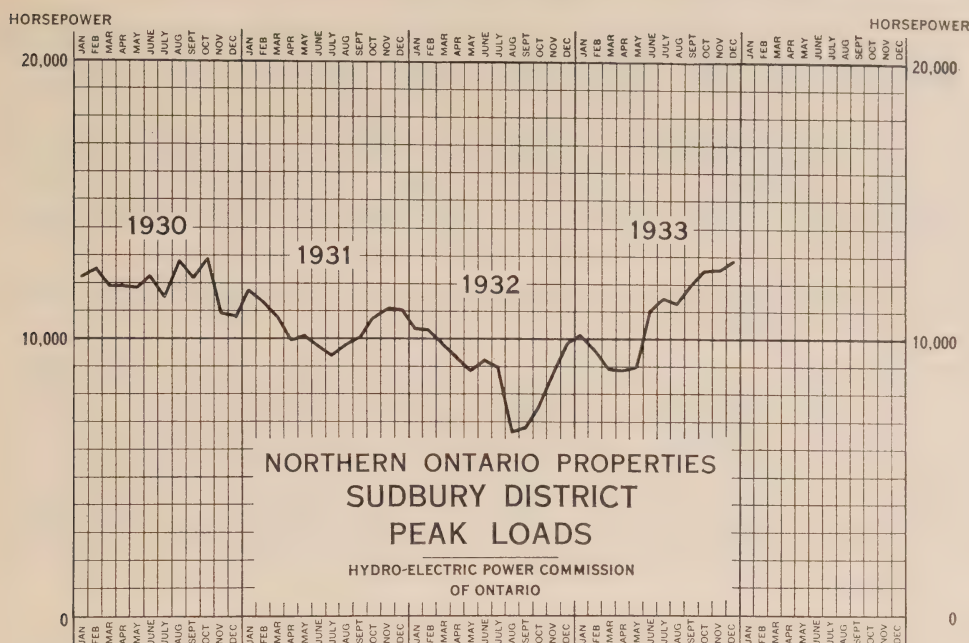
At Elliott Chute generating station, only routine turbine maintenance work was required. A new spring type flexible drive for the generator overspeed device was installed to replace the original drive which has failed on several occasions.

A woven wire fence was erected along the roadway on the southern boundary of the property.

The decayed plank facing of the rock-filled woodcrib breakwater at this station was renewed with 1-inch plank and covered with one-eighth-inch steel plates from salvage. The frame store-house was raised and placed on concrete posts. The west end of the earth fill dam was surfaced with 30 yards of gravel.

At the Canadian Timber Company substation in Callander, one high-tension transformer bushing failed in service and was replaced with a new bushing.

Megger tests on practically all electrical equipment were made throughout the year, initiating a programme of periodical megger tests to obtain indications of insulation deterioration by comparison of results of tests taken at intervals over a period of time. The programme of progressive grading of insulators, instituted last year, was continued through the current year.



Sudbury District

The generated peak and average loads on the Sudbury district showed a marked decrease for the first six months of the current fiscal year as compared to corresponding months of the previous year. Owing to improved conditions in the nickel industry, however, a decided upward trend, which started in May, 1933, has continued throughout the remainder of the year. The extent of this improvement is illustrated by the fact that in October, 1933, the generated peak load showed an increase of 65 per cent and the generated average load an increase of 91 per cent over the corresponding month of 1932.

The level of Wahnapiatae lake was lowered approximately four feet below the normal operating level during the summer months to accommodate certain mining properties bordering on the lake. This action together with the subnormal precipitation of the past summer demanded more than usual care in the regulation of river flow and division of load between generating stations in order to obtain the maximum efficiency in the use of storage water.

Line maintenance work in the district was confined to insulator testing, replacement of defective insulators, butt treatment of poles where necessary and similar details of a routine nature.

At Coniston generating station, No. 2 turbine was completely overhauled. This work included the installation of alemite fittings to facilitate greasing of bearing surfaces between gates and gate bolts and between speed rings and operating rings. A new gear quadrant was installed on the gate operating mechanism. New gate links, link pins, and link bushings were supplied where required.

Four new timber head-gates were constructed and installed to replace the head-gates which had become unsafe through deterioration of the timbers.

The generating station air compressor was moved to a new and more convenient situation. Repairs were made to the roofs of the store-house, generating station, transformer house and penstock house. The generating station floor, boarding-house interior woodwork and store-house and transformer house trim were painted.

The road between the generating station and the highway was widened and surfaced with gravel.

To improve frequency regulation and time service a synchronome, having a synchronous motor driven clock and an accurate mechanical clock movement with dials to indicate the variation between times as computed by the two types, was installed at Coniston generating station. A radio receiving set for the reception of time signals was also installed to permit accurate setting of the mechanically operated movement. With the synchronome indication as a guide the staff has been able to regulate system frequency much more closely than heretofore.

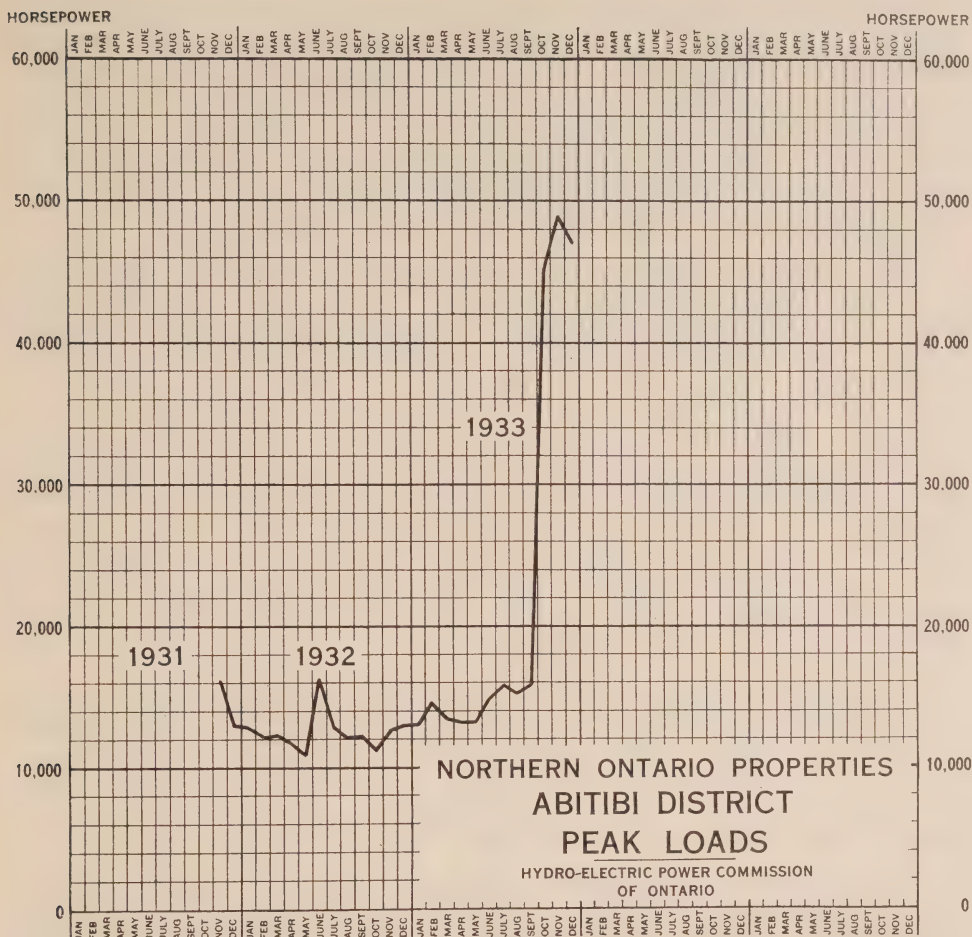
At McVittie generating station, the armature of No. 1 generator failed in service on four occasions and the armature of No. 2 generator failed once during the year. Failures in all cases were due to lightning surges which are assumed to have entered the station on a 2,200-volt feeder. These generators have been in service for more than twenty years and the repeated failures were attributed largely to deterioration of the windings with age. A complete new winding has been installed in No. 1 generator to eliminate further costly failures.

Mechanical maintenance work at this station was confined to small items such as the renewal of the lignum vitae bearing and the replacement of a defective thrust nut on the exciter turbine, governor adjustments, and repairs to two bearing pedestals in which cracks had developed. A set of disconnecting switches was installed to permit isolation of the high-tension arresters. Station grounding was improved and tested. Extensive painting inside the generating station was undertaken.

At Stinson generating station, the two 3,500-horsepower turbines were completely overhauled. Each unit was equipped with alemite fittings to facilitate greasing the bearing surfaces between gates and gate bolts and between speed rings and operating rings. A brake was installed on each unit whereby the unit can be quickly stopped by application of pressure to the periphery of the flywheel.

Following the failure of one of the timber head-gates at this station, two new head-gates of heavier design were installed to replace the originals. A pipe railing was erected on the lower side of the path between generating station and head block as a safety measure.

The exterior walls of the penstock building were painted and one coat of roofing paint was applied to the roof. Rust was removed from the penstocks and the cleaned surface painted, where required. Considerable painting was undertaken inside the station.



Abitibi District

On the Abitibi district the peak and average loads for the first eight months of the fiscal year were, in general, slightly higher than for the corresponding months of the previous year. Improved conditions in the nickel industry were responsible for a decided load increase during the next three months, and during the final month of the fiscal year the load was greatly increased by the addition of the Abitibi Power and Paper Company's steam-generation load at Iroquois Falls.

Until the No. 1 unit at Abitibi Canyon generating station was first placed in service, power was purchased from the Abitibi Electric Development Company's generating station at Island Falls for transmission to Copper Cliff to serve the International Nickel Company at that point. This power was transmitted from Island Falls to Huntta, 14 miles west of Cochrane, over the Abitibi Electric Development Company's circuit and from Huntta to Copper Cliff, a distance of 189 miles, over the Commission's double-circuit steel-tower line.

On May 24, the Copper Cliff load was transferred from Island Falls generating station to the Abitibi Canyon generating station, thus marking the initial delivery of commercial power from the latter station. A double-circuit steel-tower line from Abitibi Canyon generating station is connected at Hunta to the aforementioned double-circuit steel-tower line from Hunta to Copper Cliff, making a total transmission distance from Abitibi Canyon to Copper Cliff of 246 miles. A single circuit only is used to supply Copper Cliff at the present time but the second circuit is kept available for service as a standby.

On October 23, the initial delivery of power was made to the Iroquois Falls mill of the Abitibi Power and Paper Company, for purposes of steam generation. This power is transmitted over the Commission's lines from Abitibi Canyon to Hunta where connection is made with the Abitibi Electric Development Company's line to Iroquois Falls.

Service interruptions due to electrical storms have been more frequent on this district than would be anticipated from the records of other districts operated by the Commission. This has been attributed to the apparent higher storm frequency in the area served, coupled with the fact that the 246 miles of transmission line from Abitibi Canyon to Copper Cliff runs almost due south, thus intercepting a greater number of storms (which usually travel east and west) than the Commission's other lines of similar length which run in an east and west direction.

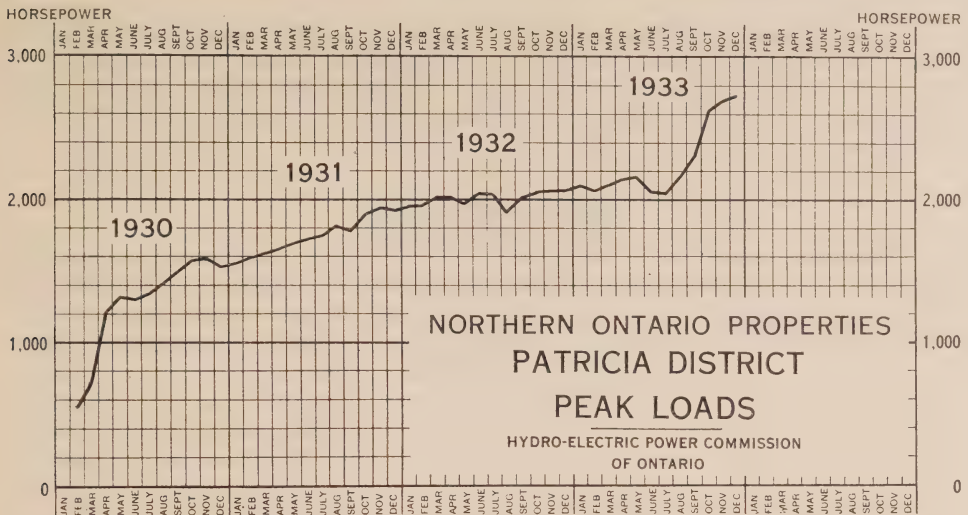
Maintenance of lines on the district was confined chiefly to replacement of a small number of insulators, most of which showed evidences of being damaged by rifle shots. Considerable brush cutting was found necessary on the right-of-way of the Hunta to Copper Cliff section of line. A close inspection of lines for loose tower bolts, deterioration of absorber rods, power conductor and ground conductor at points of suspension was made in both the spring and fall seasons.

The operation of the Abitibi Canyon generating station has been satisfactory during the few months it has been in service. Various adjustments and changes have been necessary, as is usually the case when a new station is placed in service, but these have been of a minor nature.

Toward the latter part of August the second generator at Abitibi Canyon generating station was sufficiently advanced to be placed in service. This released No. 1 generator for various adjustments. From this time to the end of the fiscal year, although two generators were at times available, the necessity of removing one or the other from service for adjustment, limited the capacity available for commercially continuous service to that of one unit.

Patricia District

The generating and transformer station at Ear Falls on the English river has been in satisfactory operation throughout the year. All equipment has functioned as required, there being no failures of major importance. The load on the system has shown an increase over that existing during the previous year. The average monthly energy generated was about 2.8 per cent greater and the average monthly peak approximately 8.9 per cent higher during 1933 than in 1932.



Four interruptions to service took place during the year, one of which was of rather long duration. On November 16, 1932, oil breaker 1B1T opened automatically due to trouble on the 44,000-volt transmission line. The trouble was found to be due to failure of a crossarm through-bolt which permitted the arm to swing down against the telephone crossarm, breaking one insulator. Due to communication being cut off from the Howey Mines and travelling in the deep snow being very slow, service was not resumed until 31 hours and 6 minutes later. On June 29 a 2-minute interruption to service occurred due to a flashover on the 44,000-volt transmission line during a lightning storm. On July 24 service was interrupted for one minute when oil-breaker 1B1T opened automatically in conjunction with oil-breaker 151 on the feeder to the water rheostat, due to a flashover on this feeder during a lightning storm. On August 16 a flashover occurred on one of the 2,200-volt feeders at Howey Mines during a lightning storm, 1B1T oil-breaker opened automatically and the operator had some difficulty in restoring normal voltage to the generator, with the result that an interruption of 19 minutes resulted.

A certain amount of maintenance work has been carried out on the major equipment during pre-arranged plant shut-downs. On July 7 the turbine was unwatered and the turbine and various hydraulic features were inspected and found to be in good condition. The turbine-operating mechanism, governor system and auxiliary mechanical equipment have been inspected and overhauled where needed.

The 44,000-volt transmission line between the generating station and the Howey gold mine, which is owned by the Howey Gold Mines Limited, has been operated and maintained for this Company throughout the year under the same arrangement for costs as previously. This transmission circuit has functioned very satisfactorily during the year, although it was responsible for the two outages outlined above.

The flow in the English river has been adjusted from time to time, as required by the Lake-of-the-Woods Control Board, by means of the regulating dam at Ear Falls.

The precipitation in the vicinity of Ear Falls has been about normal, being 25 inches during the year. With this precipitation, as well as conservation of water when not required, the level of Lac Seul has been raised about one foot during the year, the elevation on October 31, 1933, being 1160.8 as against 1159.9 on the corresponding day last year.

Manitoulin District

The Manitoulin district was first served by the Commission on December 16, 1932. Power purchased and metered by the Commission at the 600-volt bus of the Manitoulin Pulp Company's mill at Kagawong is stepped up to 12,000 volts between phases by means of three 100-kv-a. transformers which are installed in an outdoor-type station close to the mill. From this station power is supplied to the Manitoulin rural power district which at present consists of the municipalities of Gore Bay, Mindemoya and Kagawong, and a number of rural customers. Service has been satisfactorily maintained throughout the year.

NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES, 1931-1932-1933

| Municipality | Peak load in horsepower | | | Change in load 1932-1933 | |
|--------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |

NIPISSING DISTRICT

| | | | | | |
|----------------|---------|---------|---------|-------|-------|
| Callander..... | 112.8 | 175.0 | 196.4 | ..... | 21.4 |
| Nipissing..... | 3.0 | 3.0 | 3.0 | ..... | ..... |
| North Bay..... | 2,921.8 | 2,915.0 | 2,911.4 | 3.6 | ..... |
| Powassan..... | 117.7 | 131.0 | 106.5 | 24.5 | ..... |

SUDBURY DISTRICT

| | | | | | |
|--------------|---------|---------|---------|------|-------|
| Sudbury..... | 3,967.8 | 3,667.5 | 3,599.2 | 68.3 | |
|--------------|---------|---------|---------|------|-------|

NORTHERN ONTARIO PROPERTIES—LOADS OF RURAL POWER DISTRICTS, 1931-1932-1933

| Rural power district | Peak load in horsepower | | | Change in load 1932-1933 | |
|----------------------|-------------------------|-----------|-----------|-----------------------------|----------|
| | Oct. 1931 | Oct. 1932 | Oct. 1933 | Decrease | Increase |

NIPISSING DISTRICT

| | | | | | |
|----------------|-------|------|------|-------|-----|
| North Bay..... | 68.3 | 77.0 | 77.9 | ..... | 0.9 |
| Powassan..... | ..... | 2.0 | 3.0 | ..... | 1.0 |

MANITOULIN DISTRICT

| | | | | | |
|-----------------|------------------------------|----------------------|------|-------|-----|
| Manitoulin..... | Date connected Dec. 16/32 | Initial load 70.0 | 79.9 | | 9.9 |
|-----------------|------------------------------|----------------------|------|-------|-----|

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the "Hydro" utilities of the various municipalities with which it has contracts. In this connection the Commission arranges for the purchase, construction or extension of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of these systems. All rate adjustments, as provided under *The Power Commission Act*, are recommended by the Commission, and a study of the operating conditions of all utilities is made annually and adjustments recommended accordingly. The Commission exercises a general supervision over the management and operation of all systems more especially in the smaller municipalities which, individually, are not of sufficient size to employ a manager with the technical knowledge necessary to administer properly all phases of the local system's operation.

In the case of the rural power districts, the Commission itself—on behalf of the corporations of the individual townships—operates the rural power systems, and distributes electrical energy to the customers of the respective corporations in any such rural power district.

NIAGARA SYSTEM

During the month of July, 1933, the Commission commenced taking power from the McLaren-Quebec Power Company. This power was transmitted over the 220,000-volt line from Beaudet to Chats Falls generating station by which power is obtained from the Beauharnois Light, Heat and Power Company. Commencing with the month of October, an additional block of power was taken from the Beauharnois Light, Heat and Power Company also over this line.

The load conditions on the Niagara system during the fiscal year, 1933, show an increase in the total amount of power taken by municipalities and industrial companies during the months of November and December, 1932, February, April, July, August, September and October, 1933, as compared

with the corresponding months of the previous year. During the months of January, March, May and June, a slight decrease is shown in the amount of power taken, as compared with the previous year. These figures, however, do not include secondary power sold for process steam generation, and for export to the United States. Commencing with the month of February, the Commission sold a substantial block of secondary power to the pulp and paper industry for the generation of process steam, and in the month of June, resumed the sale of additional secondary power to the Canadian Niagara Power Company for export. The loads on the systems of the Commission are referred to more fully in Section II of this report.

Dominion Power and Transmission Properties

The distribution systems of the Dominion Power and Transmission Company in the cities of Hamilton and Brantford which were sold during 1931 and 1932 respectively have proved to be entirely satisfactory. The arrangements of sale provided for the purchase of these properties by payments extending over a number of years, but it is expected that the entire purchase price of the systems in both these cities will be paid sooner than originally planned.

Negotiations are under way in connection with the sale of the Dominion Power and Transmission Company's distribution system in St. Catharines to the local commission. The rural distributing lines of this Company have already been absorbed in the several rural power districts in which they are situated.

"Secondary" Power

"Secondary" power is a term applied to power which is sold subject to unlimited interruptions, to reduction or to complete withdrawal, at any time it is required for use by municipalities, or for the maintenance of the supply of firm power. Although the Niagara system of the Commission has a high load-factor it has, of course, daily and seasonal peaks; thus there are, even in times of normal industrial activity, periods of the day and of the year when large amounts of "secondary" power are available. "Secondary" power, however, on account of the uncertainty of the times and durations of the system peaks, is not sufficiently dependable for ordinary industrial uses. A limited amount of such power can be utilized by large special industries in certain heating and electro-chemical processes. Although Canadian consumers are at all times given priority of consideration, the chief market for "secondary" power which the Commission has had at its disposal on the Niagara system has up till recently been in adjacent territory in the United States served by supply systems securing a large proportion of their power from steam plants. Such systems, by utilizing, when available, this "secondary" power can conserve their fuel supplies. The sale of this power to the Canadian Niagara Power Company for use in the United States has enabled the Commission to employ profitably its generating equipment at times when not required to take care of the demands of the Niagara system. During the latter part of the year this Company has resumed taking this kind of power in substantial quantities.

Profitable Employment of System Reserve Generating Capacity

In times of curtailed industrial activity the amount of reserve power capacity which it is necessary to maintain, increases. If this reserve capacity can be put to profitable temporary use under conditions or contracts that ensure the maintenance of its character as system reserves, it is an economic gain to the Province and brings to the Hydro undertaking a revenue which reduces the cost of maintaining the essential reserves.

One market for this type of power is found in the production of steam for industrial processes. During the past year the Commission has supplied substantial amounts of secondary power for steam purposes and arrangements are being made to supply other companies in a similar manner. As general economic conditions improve, there will be less reserve power available for this purpose because more will be required for the normal uses of the municipalities. Meantime, it may be noted, the utilization of reserve power for the production of process steam replaces imported coal.

Engineering Assistance to Municipalities

General engineering assistance was given during the year to practically all of the municipalities in the Niagara system, by a general supervision of management and operation.

Estimates and work in connection with the rebuilding of distribution systems to take care of various conditions was undertaken during the year and additional transformer capacity provided where necessary in the following places: Amherstburg, Aylmer, Beachville, Blenheim, Brampton, Caledonia, Dresden, Drumbo, Dundas, Exeter, Fergus, Fonthill, Goderich, Mimico, New Hamburg, Niagara-on-the-Lake, North York Twp., Otterville, Paris, Plattsville, Port Credit, Preston, Ridgetown, St. Jacobs, Seaforth, Simcoe, Strathroy, Tilbury, Toronto Twp., Waterdown, Wellesley, Weston and Woodbridge.

Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Chatham—A 200-horsepower fire pump is being installed. The motor will operate at 4,000 volts and the pump will have a capacity of 5,000,000 imperial gallons per 24 hours at a pressure of 110 pounds. The present steam pump stand-by will be replaced with two gasoline-engine driven pumps in order to reduce the waterworks operating costs. The distance from the Chatham Hydro utility step-down station to the waterworks pumping station is approximately one mile and a special feeder will be erected.

Dunnville—An additional primary circuit and a new transformer bank were constructed for service to power consumers who were increasing their loads.

Georgetown—New lines were designed and their locations determined preparatory to removing circuits from the main street. Arrangements were made also for additional primary lines to improve service to power customers.

Goderich—Plans were made for rebuilding of a portion of the distribution lines which had become overloaded and particularly with a view to securing a primary loop so that interruptions for repair work would be reduced to the minimum.

Humberstone—Provision for convenience of operation and better service by arranging for interswitching with Port Colborne, is being undertaken, together with general system revision. Plans were submitted by the Commission's engineers and the work is being done under their supervision.

London—A new 13,200-volt feeder consisting of 3-conductor 4/0 cable was laid between the Commission's high-tension station and the corner of Highbury avenue and King street to take care of the increasing industrial load in this area.

St. Marys—The severe wind storm on June 9, badly damaged the circuits in all parts of St. Marys. Advantage was taken of the situation when rebuilding to replace equipment which had become inadequate, particularly conductor, and a large portion of the distribution system was rebuilt with larger conductor, new poles and heavier line material.

Sarnia—Specifications were prepared for the installation of two electrically driven domestic water pumps in the waterworks plant. These pumps will be equipped with 4,000-volt motors and have a capacity of 150 and 200 horsepower respectively. The present steam-driven pump will be retained as a stand-by in case of fire. Power will be supplied over a separate feeder from No. 1 municipal station to the pumping plant, a distance of approximately one and a half miles. The pumps will be capable of delivering 3,240,000 imperial gallons and 4,320,000 imperial gallons of water per 24 hours.

Tillsonburg—Plans are being prepared for the complete overhauling of the local substation, partly due to increased load and partly to obtain better operating conditions.

GEORGIAN BAY SYSTEM

A small increase occurred in the power demand of this system during the year, but for the most part, the loads in the various municipalities were constant with respect to previous year conditions. A new industry of fair magnitude in one of the municipalities, together with a large number of new consumers taken on in the summer resort districts, established a higher system peak during a portion of the year, but as the new summer load is in existence for only about two or three months, and as the new industrial load was in operation during the latter part of the year only, the total yearly average load increase was not greatly affected.

The distribution system in the village of Mildmay purchased last year by the Commission from The Mildmay Electric Light Company, was sold to the corporation of the village, and the distribution system purchased last year from

The Formosa Electric Light Company was merged into the Bruce Rural Power District, and service given to the various consumers in accordance with the rural sections of the Power Commission Act.

A new 22,000-volt transmission line was constructed between Shelburne and Orangeville replacing the old line purchased from The Pine River Light & Power Company in 1916, and all financial matters, as well as all features of improved service in connection therewith, were placed before all the municipalities affected by the change, and approval obtained. Arrangements were also made for reconstructing the transmission line between Grand Valley and Arthur, and a large portion of this was completed during the year.

General engineering assistance and advice concerning the maintenance and operation of the various local distribution systems, also assistance in connection with the application of rates, and the submission of information to power and lighting customers was rendered to all of the municipalities throughout the year.

Engineering advice of a special nature in connection with matters referred to was given to the following municipalities:

Chatsworth—Plans and specifications were prepared covering a complete rebuilding of the local distribution system.

Formosa—The primary line out of the Walkerton generating station which feeds the hamlet of Formosa, as well as the local distribution system of Walkerton, was completely reconstructed and made a part of the Bruce rural power district.

Kincardine—The Public Utilities Commission submitted information concerning the cost of power to a new industry. It negotiated a contract for power service, rebuilt a portion of the distribution system in order to deliver power to this new consumer, and enlarged the local substation to provide adequate transformer capacity for supplying this new load in conjunction with the existing load in the municipality.

EASTERN ONTARIO SYSTEM

This system includes the Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska districts. The area served is that part of Ontario lying east of the area served by the Georgian Bay and Niagara systems.

The power supply is from developments owned by the Commission on the Trent Canal system and on the Mississippi and Madawaska rivers. Power is purchased from the Gatineau Power Company, the Rideau Power Company and the Beach Estate at Iroquois.

The Commission controls or has an interest in a number of undeveloped water-power sites on the Ottawa, Mississippi and Madawaska rivers, from which sites additional power can be made available when warranted by the demand. At present the growth of load is met by increased deliveries of power purchased under contract with the Gatineau Power Company.

Owing to low water conditions on the Trent Canal system, the power allotments due from the Gatineau Power Company were all required in the closing months of this year.

General engineering assistance and advice was given to municipalities concerning the management and operation of the various local distribution systems.

Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Bobcaygeon—Estimates on the cost of power were given to this municipality last year but no action was taken by the municipal officials. This year a further request was received from the municipality for new estimates. New estimates based on present conditions were submitted.

Brockville—The Brockville Public Utilities Commission has this year paid off all its debenture debt against the local utilities. This event was celebrated by a banquet on October 12, 1933, at which the members of the Provincial Commission were guests of honour.

Cobourg—The electrical distribution system and waterworks which were purchased by the Corporation from the Commission last year, were managed and operated by the Commission on behalf of the Corporation from January 1, 1932, to January 1, 1933, when the management and operation of these utilities were taken over by the Cobourg Public Utilities Commission, which will operate them, in future, on behalf of the Corporation.

Colborne—The corporation of Colborne concluded negotiations for the purchase of the distribution system in the village from the Peebles Estate on January 1, 1933. From this date the system has been operated by the municipality under a cost contract with this Commission.

Newcastle—An extension of the Newcastle distribution system to Newcastle-on-the-Lake authorized last year was completed and power made available for the summer season.

Norwood—The rebuilding of part of the local distribution system, necessitated by improvements to the highway, was completed by the Commission on behalf of the municipality.

THUNDER BAY SYSTEM

An outstanding improvement has taken place in the demand for power on this system during the year. A large portion of the load increase was not obtained until near the end of the current year, but early in the new year the entire surplus capacity of the two generating plants at Cameron Falls and Alexander will be sold and the generating equipment of the combined developments on the Nipigon river will be completely loaded for the first time since the completion of the

Alexander development. One of the large pulp and paper mills at Port Arthur, formerly closed down, resumed operations during the last four months of the year, and another large mill in Fort William increased its demand by several thousand horsepower.

New load to the extent of approximately 40,000 horsepower was contracted for, with two large pulp and paper mills for the operation of electric steam generators. This new load was sold on an "at-will" basis and is recallable at any time during the term of the agreements should the power be required for supplying firm power to new or existing consumers. One of these steam generator installations, with a demand of about 18,000 horsepower, was placed in operation in September, and the installation of equipment under the other contract is nearly completed and will probably be placed in operation during the first month of the new year.

A large extension was made to the Port Arthur rural power district and service was given to approximately 60 summer consumers situated along the shores of Thunder Bay east of Port Arthur.

Engineering assistance and advice covering the management and operation of the various distribution systems was given to the cities of Fort William and Port Arthur, and to the village of Nipigon, and the complete operation of the Port Arthur and Fort William rural power districts was carried on by the Commission on behalf of the various townships concerned.

NORTHERN ONTARIO PROPERTIES

Nipissing District

This district comprises the area lying north and east of Lake Nipissing, and is served by three generating plants, situated on the South river, supplying electrical energy to the city of North Bay, the town of Powassan, the unincorporated hamlets of Callander and Nipissing and the rural districts adjacent to North Bay and Powassan. Load conditions in this district were fairly constant throughout the year, in consequence of which no special changes, or improvements were required in generating plant, transformation, transmission, or distribution equipment. Arrangements were made, however, to secure an additional 750-kv-a in transformer capacity for North Bay to provide spare or emergency equipment for future operation.

Abitibi District

This district comprises the entire area lying within transmission distance of the Abitibi Canyon development, including the mining districts adjacent to Sudbury, Kirkland Lake, and Timmins. During the year the Commission became responsible for the operation of the Abitibi Canyon development and transmission lines, formerly the property of The Ontario Power Service Corporation. The Abitibi Canyon development was placed in operation during the month of May, and an engineer was assigned to the Abitibi district in order to maintain contact with all of the existing and prospective mining companies, for the purpose of submitting information in connection with the use of electrical

energy and the cost thereof, and negotiating contracts for the sale of power. Definite information was submitted to the officials of several new mining properties and details of agreement covering the sale of power were discussed. It is expected that several agreements covering the delivery of electrical energy will be closed with these mining companies early in the new year. A contract was also completed with The Canada Northern Power Corporation covering the sale of power by the Commission to the company of its entire future load growth for a period of ten years. A large block of "at-will" power was sold to one of the large paper companies under a temporary agreement, for electric steam generation, and arrangements were made to negotiate a long-term contract with the same company for 60,000 horsepower under similar conditions. It is anticipated that the results of the efforts being made will require the construction of from 150 to 200 miles of high-tension transmission line, and of several transformer stations early next year, to take care of local growth in this district.

Sudbury District

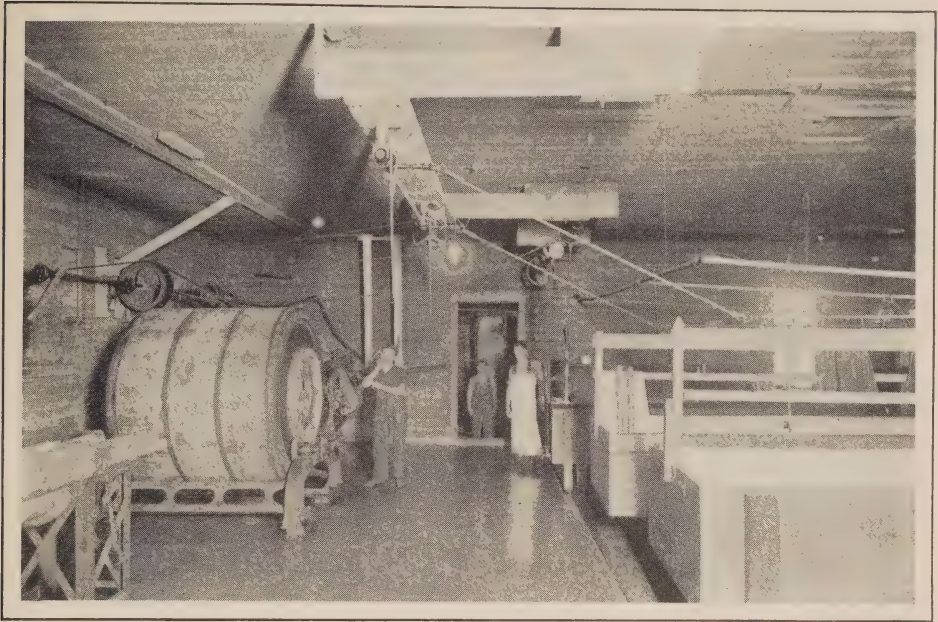
The district comprises the area adjacent to the city of Sudbury, to which power is supplied at 60 cycles from three power developments on the Wahnapiatae river. The demand for 60-cycle power in this district has been such that the power that can be produced by the generating capacity of these three developments has all been sold, and any further load increase will have to be taken care of by 25-cycle power from the Abitibi Canyon development and transmission line, or, by the installation of frequency changer sets. A new contract was negotiated with one of the large mining companies, providing for an increased demand of 50 per cent, and assistance was given to the city of Sudbury in connection with the operation of its local distribution system. Information was also submitted to the rural districts adjacent to Sudbury with respect to procedure concerning the securing of Hydro-Electric service from the Commission.

Patricia District

Information and advice was given to the large gold mine, at present being served from the Ear Falls development. A survey was made, estimates were prepared, and negotiations carried on concerning the construction of a development at the foot of Lake Joseph on the Albany river in connection with supplying power to two mining properties.

Manitoulin District

This district comprises the entire Island of Manitoulin, and, at the present time, power is being delivered to a rural power district, inclusive of the town of Gore Bay, and the hamlet of Mindemoya. Meetings were held throughout the year in the eastern section of the island adjacent to Little Current and Manitowaning, also Sheguindah, in connection with supplying these municipalities, and adjacent rural sections, by means of any extension to the existing lines, or by securing power from another development. At the present time power is being purchased from the Kagawong development of The Little Rapids Pulp Company under a contract which was executed during the year.



RURAL ELECTRICAL SERVICE IN ONTARIO

A cheese factory utilizing electric power—one of many rural industries that have experienced the economy of "Hydro" service

RURAL ELECTRICAL SERVICE

There are now 171 operating rural power districts served by the Commission. These districts deliver power to approximately 62,000 rural consumers in 352 townships and 92 police villages, over a network of rural primary lines which, in length, aggregates more than 9,000 miles. In addition to the 352 townships served, there are 8 townships served jointly by rural power districts and voted areas. In the years prior to 1920 this service was supplied to townships and for the most part the rural consumers were reached by extensions to existing urban and suburban distribution networks. In 1920, amendments to The Power Commission Act provided for the formation of rural power districts and in 1921 and 1924 special rural Acts were passed by the Provincial Legislature providing for the payment of Provincial "grants-in-aid." These legislative enactments; *the special consideration given to rural electrical service; and the experience gained and put into practice by the Commission, have resulted in a remarkable growth in rural electrical service in Ontario. This is well shown by the accompanying charts. There is, indeed, no branch of the Commission's activities to which, during recent years, more detailed consideration has been given than its department of rural electrical service.

*Re Rural Power District Legislation:—Consult *The Power Commission Act* (R.S.O. 1927, ch. 57); *The Rural Hydro-Electric Distribution Act* ((R.S.O. 1927, ch. 59; *The Rural Power District Loans Act, 1930* (20 Geo. V, ch. 14), and *The Rural Power District Service Charge Act, 1930* (20 Geo. V, ch. 15).

**RURAL ELECTRICAL**

Hydro service brings to Ontario farms a higher standard of living in house, dairy and barn. Only those city people who have a farm under other methods can fully appreciate this.

Distribution of power to rural communities has now gained an established place in Ontario country life. The improvements that can be effected in the standard of living by the generous use of electricity on the farm and in the farm home are everywhere recognized. It is clean for the house, convenient and safe for all uses and under Hydro rates very economical. Even during the past two years when the cumulative effects of the period of economic stress have been most acutely felt, appreciable gains have been made in rural power districts both to the number of consumers served and to the total mileage of lines.

It must, however, be recognized that rural electrical service is essentially a community interest and to attain its greatest success must have the whole-hearted support of all rural dwellers. Co-operation is the keynote of success. Primarily, rural service is made possible by the great networks of transmission lines which have been constructed to serve urban municipalities. These networks afford a base from which rural primary lines may economically be extended over wide areas of the more closely settled parts of rural Ontario. Thus there is co-operation between the urban and rural citizens. The growth in the mileage of rural lines during normal years has been phenomenal, until at the present time the aggregate length of such lines exceeds the mileage of the main transmission lines built to serve urban centres. In the rural power districts the transmission lines which serve the individual farmers can also carry electrical energy to churches, schools and stores, as well as provide power for factories utilizing



SERVICE IN ONTARIO

ving with comfort and relief from many arduous tasks
who have had experience of life and work on the
ppreciate the benefits of this service

agricultural products as their raw material. Thus, co-operation produces the greatest benefit to all and results in lower costs.

In supplying electrical service to rural districts the Commission has followed a comprehensive and carefully thought-out programme. Rural power districts are designed to be economic unit areas with respect to the transmission lines and power supply facilities that are available, and their boundaries are not arbitrary geographical limits such, for example, as define the areas of townships. In practice a typical district covers about 100 square miles.

The experience gained by the Commission and the improvements in technique enable electrical service to be given to rural districts when there can be secured three signed farm contracts, or their equivalent, per mile of line to be constructed.

Provincial Government Aids Rural Service

Assistance respecting electrical service is given by the Province to farmers and rural residents in three ways, namely:

First—A grant-in-aid toward the initial capital cost of supplying electrical service, amounting to 50 per cent of the cost of line and secondary equipment necessary to deliver power from the supply point of the Commission's stations or of a city, town, village, etc., to the customer's property. This is the maximum amount provided for by *The Rural Hydro-Electric Distribution Act*.

Second—Authority has been granted by the Province to the Commission in *The Rural Power District Service Charge Act, 1930*, to fix a maximum service charge for any class of service rendered by the Commission in a rural power district. Where as may be the case in newly established rural power districts such maximum service charge is not sufficient to meet the necessary cost of service, as specified by the Commission, the deficit is chargeable to and payable out of the Consolidated Revenue Fund of the Province. Payments made out of the Consolidated Revenue Fund for this purpose, on account of any rural power district, are charged to that rural power district in a special account—known as the “Rural Power Service Suspense Account”—in the books of the Treasurer of Ontario, and any surplus thereafter arising from any maximum service charge in that rural power district is to be paid to the Treasurer of Ontario and placed to the credit of the rural power district in such suspense account until the deficit is extinguished. Where a temporary deficit arises in any rural power district owing to the application of the maximum service charge, such maximum service charge must remain in force and be charged in that rural power district until the deficit is extinguished.

A tabulation set out on an accompanying page shows the present maximum service charge placed in effect on January 1, 1930.

Third—An Act—*The Rural Power District Loans Act, 1930*—to provide for granting aid towards the installation of electrical works in rural power districts was passed during the year 1930. The purpose of this Act is to provide advances towards the installation of electrical services in rural power districts, subject to regulations. Aid may be granted subject to such regulations and repayments, or the wiring from the transmission or distribution lines of the Commission into and throughout dwellings, farms, out-houses, and any other works which may from time to time be specified by the regulations. In addition to the wiring, loans may be obtained on transformers, motors, or other appliances, as may be necessary or expedient for any industrial, agricultural or domestic purpose which may be specified in the regulations.

Rural Loans

Loans have been made to rural consumers to aid them finance the cost of wiring their premises and the installation of motors, grain grinders, pumping systems, milking machines and washing machines—all made possible by the passing of *The Rural Power District Loans Act* in 1930.

Up to October 31, 1933, there have been 496 applications for loans received since the Act was put into force. Of these 144 were received during the last fiscal year. During the fiscal year 11 applications have been withdrawn by the applicants, 12 have been either ineligible for loan due to the condition of the security or the applicants have failed to conform to the regulations—approval to these has not been given—and 29 applications are pending the receipt of information from the field to enable the Commission to approve them. In all, 371 applications have been approved and loans granted up to October 31, 1933; of these, 110 have been granted during the past fiscal year.

The following table shows the applications approved and granted in the various systems:

APPLICATIONS FOR RURAL LOANS APPROVED AND GRANTED

| System | To Oct. 31, 1932 | | Fiscal Year 1933 | | Total to date | |
|---|------------------|--------|------------------|--------|---------------|--------|
| | No. | Amount | No. | Amount | No. | Amount |
| | | \$ | | \$ | | \$ |
| Niagara..... | 166 | 36,260 | 93 | 17,135 | 259 | 53,395 |
| Georgian Bay..... | 76 | 21,727 | 9 | 2,065 | 85 | 23,792 |
| Eastern Ontario..... | 19 | 5,715 | 3 | 415 | 22 | 6,130 |
| Northern Districts—Manitoulin Island..... | | | 5 | 1,060 | 5 | 1,060 |
| Totals..... | 261 | 63,702 | 110 | 20,675 | 371 | 84,377 |

The average loan amounts to \$227.43.

DETAILS OF RURAL LOANS GRANTED UP TO OCTOBER 31, 1933

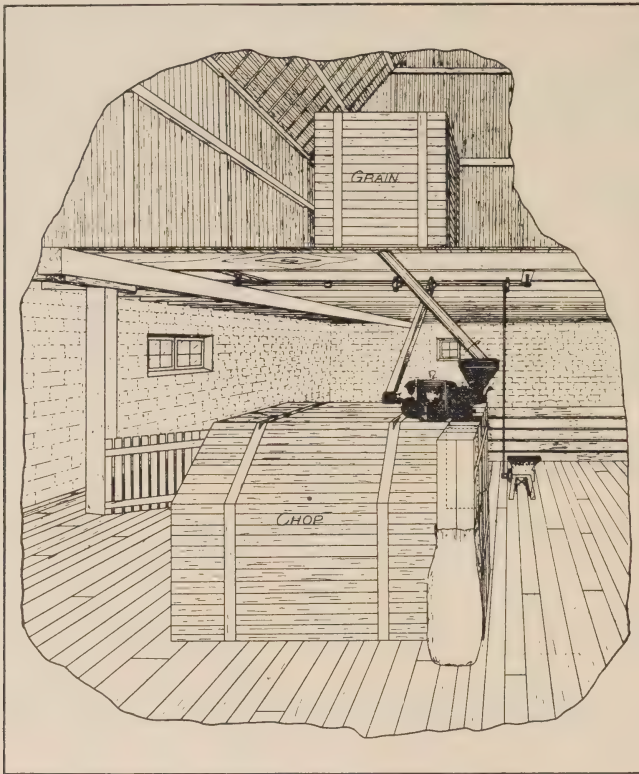
| Items applied for (including installation) in loans which have been paid | 1930-31 74 Applications Granted | | 1931-32 187 Applications Granted | | 1932-33 110 Applications Granted | | Totals All Applications Granted | |
|---|---------------------------------------|----------------------|--|----------------------|--|----------------------|---------------------------------------|----------------------|
| | Number affected | Cost to consumers | Number affected | Cost to consumers | Number affected | Cost to consumers | Number affected | Cost to consumers |
| | | \$ | | \$ | | \$ | | \$ |
| Service..... | 60 | 3,485 | 91 | 4,756 | 21 | 1,286 | 172 | 9,527 |
| House wiring..... | 63 | 7,861 | 90 | 8,077 | 18 | 1,279 | 171 | 17,217 |
| Building wiring.... | 60 | 6,160 | 87 | 7,453 | 24 | 1,470 | 171 | 15,083 |
| Motors..... | 16 | 1,545 | 15 | 1,508 | 7 | 942 | 38 | 3,995 |
| Grain grinders..... | 15 | 2,490 | 95 | 16,986 | 87 | 15,635 | 197 | 35,111 |
| Pumping systems.. | 6 | 616 | 8 | 849 | 2 | 147 | 16 | 1,613 |
| Milking machines.. | 2 | 675 | 2 | 405 | 2 | 386 | 6 | 1,466 |
| Washing machines.. | 15 | 1,734 | 8 | 934 | 2 | 159 | 25 | 2,827 |
| Totals..... | 74 | 24,566 | 187 | 40,968 | 110 | 21,304 | 371 | 86,839 |

Respecting the 371 applications which have been granted, the following table shows the number of loans approved for each term of years from one to ten years:

| | | | |
|--------------------|---------|--------------------|---------|
| One year term..... | 4 loans | Six year term..... | 6 loans |
| Two " "..... | 4 " | Seven " "..... | 72 " |
| Three " "..... | 24 " | Eight " "..... | 9 " |
| Four " "..... | 11 " | Nine " "..... | 0 " |
| Five " "..... | 203 " | Ten " "..... | 38 " |
| | | Total..... | 371 " |

Up to October 31, 1933, 29 loans had been repaid in full, either through the fact that the loans matured or because of the improved financial position of the loanee.

The assistance given by the Province in these several ways is in pursuance of a long-established governmental policy of promoting the basic industry of agriculture. This policy had previously found expression in the establishment of



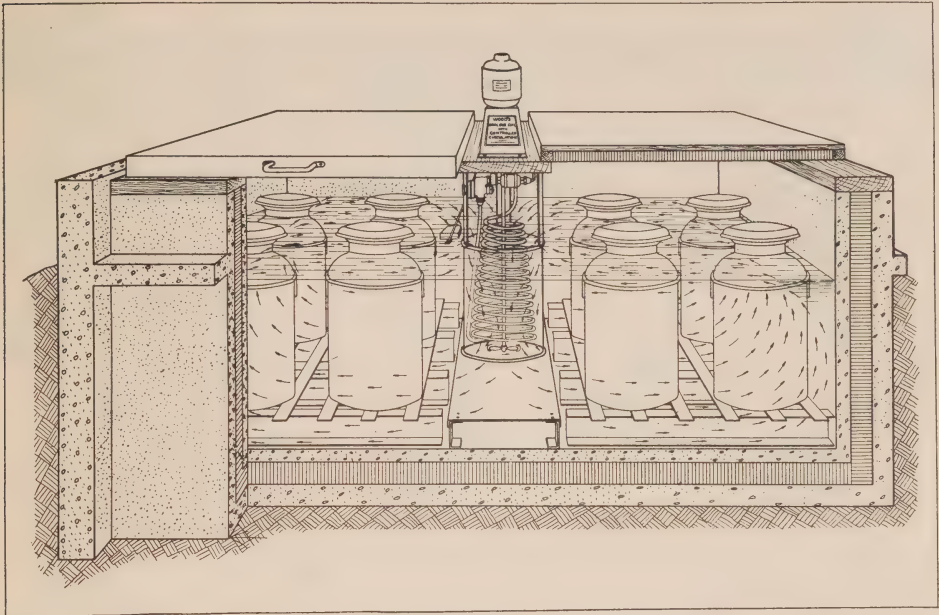
RURAL ELECTRICAL SERVICE IN ONTARIO

The utility-motor chopper set up as shown permits chopping to be done while the operator is otherwise employed in the barn. The line shafting, when belted to the motor, will supply power for many other machines used in the barn.

agricultural schools, colleges and experimental farms, in assistance for farm drainage, road building and in other ways. The grants-in-aid and guarantees thus given make it possible to extend hydro-electrical power service to those engaged in and connected with agricultural pursuits in less densely populated districts where otherwise such service would not be financially feasible.

The extent and effect of the Province's financial assistance with respect to the distribution of power in rural districts should be clearly understood. The Government grant-in-aid relates solely to the initial capital investment for distribution facilities in rural power districts only. Having made its grant-in-aid, the Government further participates in the operation of each district in that it guarantees a maximum service charge, otherwise its participation in the operation of the property ceases. Each rural power district not only pays the cost of operation, maintenance and administration of its lines, but also sets up reserves for renewals, obsolescence and contingencies on the whole of the equipment and lines, as well as for sinking fund on the investment made by the Commission on behalf of the townships served.

The aggregate load distributed to the rural dwellers is, and possibly must always be, but a relatively small proportion of the total load distributed by the



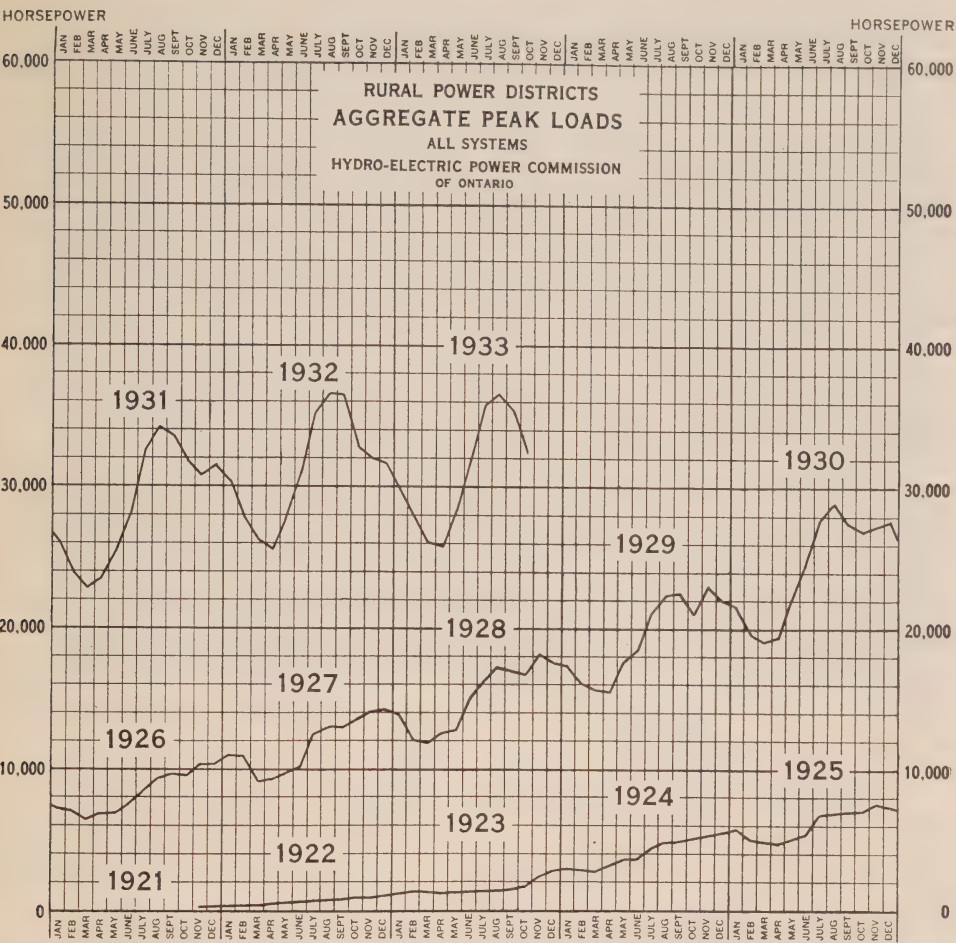
RURAL ELECTRICAL SERVICE IN ONTARIO

Milk cooling by electric refrigeration with agitation is now being used by progressive Ontario farmers to their economic advantage. It is reported that this method of cooling is less expensive, more reliable and certainly cleaner than ice

Commission when the amounts of power supplied to large cities and industrial consumers are taken into consideration, but some idea of the magnitude of the rural load may be conveyed by stating that it is now equal to the sum of the loads supplied to eight of the smaller cities served by the Commission, or to the loads supplied to 38 towns of population 2,000 or more.

The accompanying diagrams and tables illustrate the expansion of rural electrical service in Ontario during the last thirteen years. The greater area covered is shown by the increased mileage of primary lines approved. The increase in the use of electricity by the farming communities is shown by the aggregate power loads supplied to the rural power districts. It is believed that further substantial progress will be made in the next few years. An outstanding reason for this growth is the extent to which the Commission has gained the confidence of the rural communities through efficiency in the construction of lines, through progressive reductions in rates and by a continuity of service which has contributed very materially to progress by inspiring confidence in the use of electrical power-driven machinery.

Further research investigation of equipment for use on the farm has been carried on by the Commission's engineers in an effort to improve the efficiency of the application of Hydro power to the needs of the Ontario farmer and to develop new uses to their advantage. Plates for grain choppers have been further improved and new developments in the utility motor chopper have been started by manufacturers in co-operation with the Commission. Milk coolers employing the agitation principle have been produced which achieve the desired



SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1933

| System | Miles of primary line | Number of consumers | | | Capital approved for extensions | |
|-------------------------------|-----------------------|---------------------|--------|--------|---------------------------------|-------------------------|
| | | Hamlet | Farm | Total | Total | Provincial grant-in-aid |
| Niagara | 6,581.34 | 22,405 | 22,135 | 44,540 | \$ 14,528,882.63 | \$ 7,241,161.31 |
| Georgian Bay | 826.18 | 4,044 | 1,777 | 5,821 | 1,726,687.95 | 829,681.99 |
| Eastern Ontario | 1,637.16 | 6,769 | 3,969 | 10,738 | 3,612,244.79 | 1,806,122.39 |
| Thunder Bay | 77.20 | 111 | 150 | 261 | 135,300.00 | 67,650.00 |
| Northern Ontario Properties: | | | | | | |
| Nipissing District | 15.12 | 293 | 29 | 322 | 44,094.00 | 22,047.00 |
| Manitoulin District | 37.40 | 143 | 20 | 163 | 62,923.00 | 31,461.50 |
| Total | 9,174.40 | 33,765 | 28,080 | 61,845 | 20,110,132.37 | 9,998,124.19 |

result in a minimum of time. The Commission's engineers, in co-operation with the Agricultural Engineering department of the Ontario Agricultural College at Guelph, have jointly made studies and suggestions in the perfecting of this equipment.

During the past year electrical soil heating was the subject of research in regard to its use on vegetable growers' farms at Burlington, Vineland Testing station and the Ontario Agricultural College. Investigations were also made in order to show the variety of uses to which electrical soil heating might be applied by vegetable growers, florists, etc. These investigations were actually carried out in the tobacco seed propagating beds at Simcoe, in the propagating flower beds at Niagara Falls, also in the open vegetable fields in the vicinity of Collingwood and Burlington.

Co-operation with the Ontario Government Emphasizing the Importance of "Ontario Products for Ontario People"

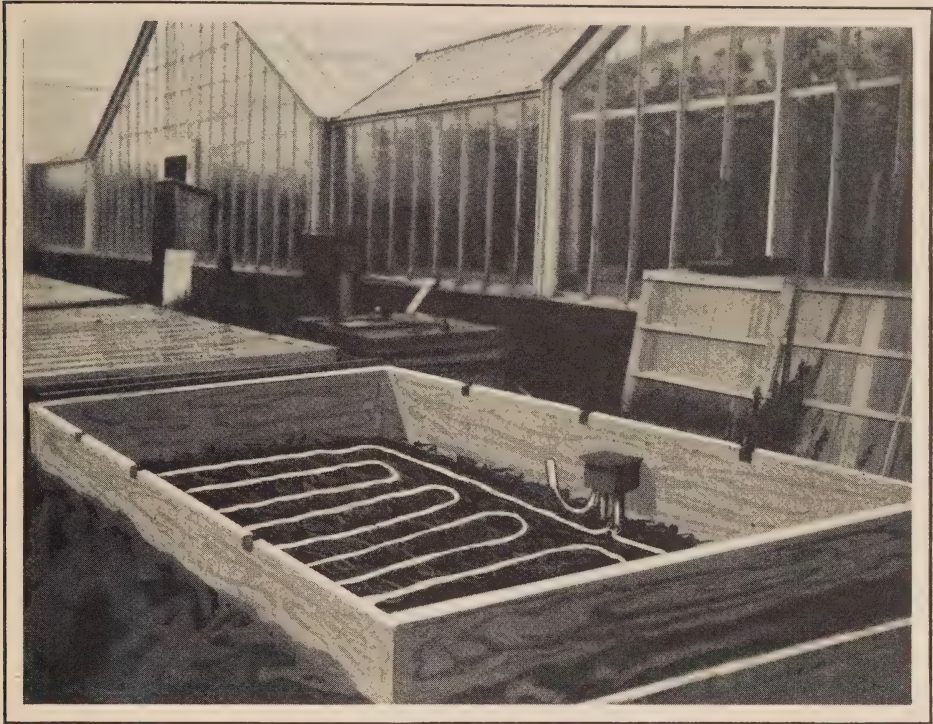
The Ontario Department of Agriculture arranged during the year to conduct cooking schools in various centres throughout the Province. These schools were for the purpose of emphasizing the importance of "Ontario Products for Ontario People." At the request of the Minister of Agriculture the Commission co-operated with the Department by setting up for demonstration purposes electrical apparatus for the kitchen such as cooking appliances, refrigerators, etc. This equipment was loaned by the various manufacturers and two-day electric cooking demonstrations were held in various centres as follows: Aylmer, Brampton, Brighton, Exeter, Lindsay, Milton, Napanee, Newmarket, Orangeville, Port Hope, St. Marys and Stratford.

Considerable interest in the information provided was apparent as these classes had an average attendance of 250. In two cases severe weather interfered with the attendance. The places at which these demonstrations were given were selected with a view to providing information for the smaller towns and rural districts; as it was considered that the cities and larger towns were already well informed through demonstrations by the various manufacturers of electrical apparatus.

The Year's Constructional Activities

During the past year the amount of constructional work carried out in the rural power districts was much lower than that obtaining a few years ago. Nevertheless some 250 miles of primary transmission lines were constructed or under construction and electrical service was given to more than 2,300 additional consumers. The capital expenditure approved for rural construction work during the past year was \$590,862, and the aggregate peak load in October, 1933, reached 32,372 horsepower. Details of these matters and of the present status of rural distribution are presented in the accompanying tables. For the coming year, arrangements have been made to construct about 300 miles of additional rural lines.

The tabulation on page 76 shows the extensions approved during the year, the number of consumers, the amounts of power supplied, the capital expenditures and the amounts of provincial grant-in-aid of rural lines approved by the Government.



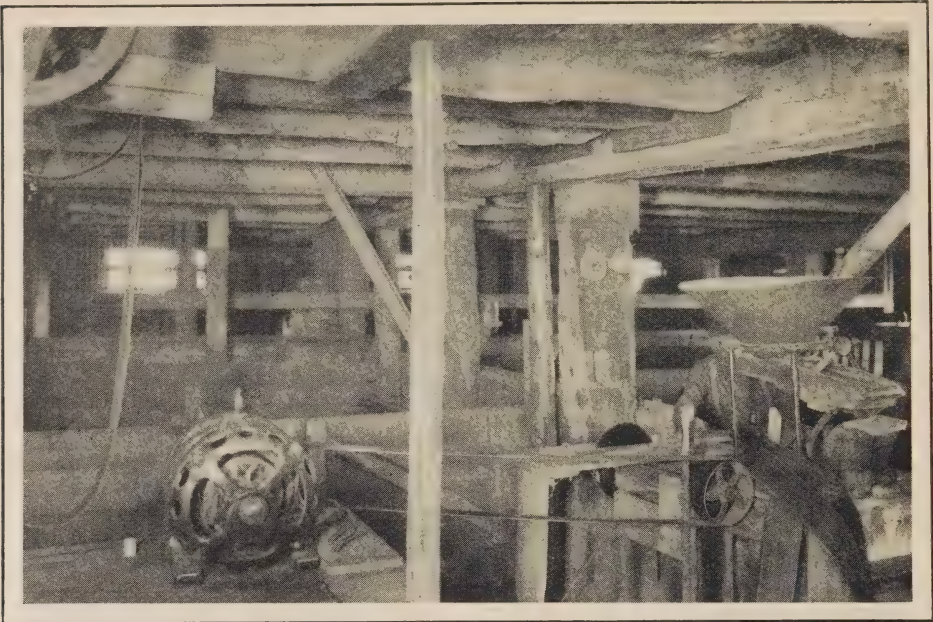
RURAL ELECTRICAL SERVICE IN ONTARIO

Electric soil heating by cable heater units installed on or under the soil of propagation or growing areas, produces surprising results in advancing and increasing the harvest. Control, automatically or at the will of the operator, provides flexibility formally not available to the grower. This is a comparatively new field of application for Hydro-electric power

Rates for Rural Electrical Service

Rates to rural consumers are based upon service "at cost"—proper account, of course, being taken of the Provincial grant-in-aid for rural work and the operation of the provision for a maximum service charge—and as in urban centres the rates are made up of two parts, a service charge and a consumption charge. In any given rural power district the service charge to a consumer depends primarily upon the individual connected load or demand which determines his class rating (see "Classification of Services") but this is modified in the earlier years of operation of a rural power district by the provision respecting maximum service charge; the consumption charge is in the form of a first and second kilowatt-hour charge and is largely determined by the cost of power at the source of supply to the rural power district.

An important factor in connection with rural power supply is the stability of rates charged. Since service is given at cost and since it is the policy to give service whenever economically practicable, it is necessary, in the interests of the rural consumers themselves, to ensure by contract a certain minimum return from each mile of line constructed. Otherwise, if one or two prospective consumers failed to take service, it would place an unfair burden upon those who did. Experience has led the Commission to adopt the safe policy of constructing rural lines only when sufficient contracts have been signed to guarantee payment of the



RURAL ELECTRICAL SERVICE IN ONTARIO

In this installation the saw is being driven by a 3-horse-power motor. The motor can also be belted to the chopper or to a lineshaft for driving other power-using equipment. Belted-motor chopper installations are in many cases being superseded by utility-motor choppers requiring only half the power

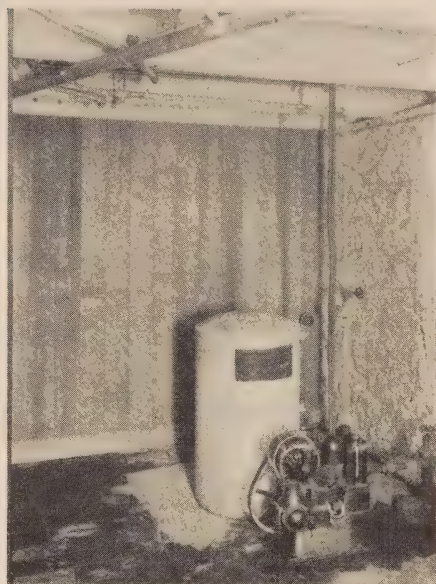
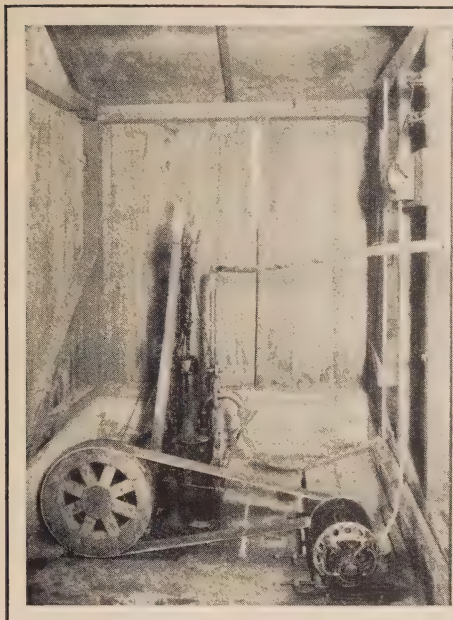
fixed charges on their cost; the minimum signed contracts required being three ordinary farm contracts or their equivalent per mile of line constructed.

For the purpose of determining the service charge, each mile of line is assumed to represent a minimum of 15 units and to each class of service is assigned a value in such units. The accompanying table gives this information and shows the annual and monthly service charges applicable to each class of service. It may be stated that more than 90 per cent of the contracts entered into for farm service are either of Class 2B or Class III. These, therefore, are the representative classes for individual farm service.

Rather more than half the consumers in rural power districts are grouped in hamlets or small villages closely identified with rural activities, and these consumers are usually in Class 1B or Class 1C. It should further be understood that rural power districts do not include suburban districts or larger villages. These have their own electrical utilities.

Usually new rural power districts begin at standard rural rates and these constitute the maximum rates submitted to the proposed consumers. As the average number of consumers per mile of line increases, the service charges may be, and in practice have been, reduced; and with increased consumption the rates per kilowatt-hour are also lowered. Thus, in older-established rural power districts the total cost of service is much below the initial standard rates.

At the end of this section is given a tabulation of the rural power districts established in connection with the several systems of the Commission, which shows the miles of line, the number of consumers and the rate schedules for each district.



RURAL ELECTRICAL SERVICE IN ONTARIO

Present pumps may be adapted to electric drive by using a jack belted to a motor, usually with a supply tank at a height

The automatic electric pump used in rural districts, assures a water service equal to that in towns and cities. In the equipment shown, the pump is automatically started when the pressure in the small tank falls below a certain level

SERVICE CHARGES IN RURAL POWER DISTRICTS—SINCE JAN. 1, 1930

With Provincial Grant-in-Aid—25-cycle and 60-cycle Service

| Class of rural service | Units per consumer* | Approx. number of customers per mile of line | Demand allowed consumer in k-w. | Kilowatt-hours per month at first rate | Gross annual service charge | Gross monthly service charge | Net annual service charge | Net monthly service charge |
|------------------------|---------------------|--|---------------------------------|--|-----------------------------|------------------------------|---------------------------|----------------------------|
| | | | | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1B | 2.25 | 6.8 | 1.32 | 30 | 18.00 | 1.50 | 16.20 | 1.35 |
| 1C | 3.75 | 4.0 | 2.0 | 30 | 27.96 | 2.33 | 25.20 | 2.10 |
| 2A | 1.90 | 8.0 | 1.32 | 30 | 20.64 | 1.72 | 18.60 | 1.55 |
| 2B | 3.50 | 4.3 | 2.0 | 30 | 27.96 | 2.33 | 25.20 | 2.10 |
| 3 | 5.00 | 3.0 | 3.0 | 42 | 33.36 | 2.78 | 30.00 | 2.50 |
| 4 | 5.35 | 2.8 | 5.0 | 70 | 36.00 | 3.00 | 32.40 | 2.70 |
| 5 | 7.50 | 2.0 | 5.0 | 70 | 50.04 | 4.17 | 45.00 | 3.75 |
| 6A | 12.50 | 1.2 | 9.0 | 126 | 62.04 | 5.17 | 55.80 | 4.65 |
| 6B | 12.50 | 1.2 | 9.0 | 126 | 70.68 | 5.89 | 63.60 | 5.30 |
| 7A | 20.00 | 0.74 | 15.0 | 210 | 92.64 | 7.72 | 83.40 | 6.95 |
| 7B | 20.00 | 0.7 | 15.0 | 210 | 111.36 | 9.28 | 100.20 | 8.35 |

*Before a rural primary line is constructed contracts equivalent to 15 primary units per mile must be signed. (For explanation of units see accompanying text.) Thus three Class 3 consumers at 5 units each equals 15 units. Service charges are adjusted so that each class of service bears its equitable share of the cost.

Note: For classification of services see page 88.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1933

NIAGARA SYSTEM

| Rural power district | Miles of line | No. of consumers | Rural rates | | | | | | | | | | | | Gross consumption charge | | Prompt payment discount | |
|----------------------|---------------|------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---|----------------|-------------------------|--|
| | | | Class and gross monthly service charge | | | | | | | | | | | | 1st 14 hrs. use of class demand min. 30 kw-hrs. | All additional | | |
| | | | 1B | 1C | 2A | 2B | 3* | 4 | 5 | 6A | 6B | 7A | 7B | | | | | |
| | | | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | | | | | |
| N5 D1 | 8.88 | 22 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | | |
| N4 D7 | 5.80 | 16 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6.5 | 2 | 10 | | |
| N18 D9 | 3.87 | 8 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 | | |
| N15 D3 | 59.55 | 590 | 1.30 | 2.33 | 1.60 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | | |
| N11 D2 | 114.31 | 618 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 | | |
| N12 D4 | 22.85 | 78 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N7 D1 | 83.97 | 429 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | | |
| N1 D4 | 152.07 | 1,492 | 1.20 | 2.11 | 1.56 | 2.11 | 2.50 | 2.72 | 3.78 | 4.67 | 5.33 | 6.94 | 8.39 | 3 | 1.5 | 10 | | |
| N15 D2 | 37.08 | 370 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N14 D3 | 59.28 | 313 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N3 D3 | 153.14 | 1,564 | 1.10 | 1.98 | 1.46 | 1.98 | 2.36 | 2.55 | 3.54 | 4.39 | 5.01 | 6.56 | 7.89 | 3 | 1.5 | 10 | | |
| N14 D10 | 34.55 | 133 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | | |
| N13 D2 | 43.77 | 167 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N12 D1 | 114.92 | 550 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | | |
| N18 D8 | 33.31 | 116 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 | | |
| N12 D2 | 52.61 | 257 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 | | |
| N2 D5 | 97.28 | 495 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N14 D1 | 138.00 | 797 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | | |
| N1 D7 | 23.41 | 179 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | | |
| N8 D11 | 68.44 | 361 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | | |
| N4 D3 | 126.84 | 652 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N4 D1 | 108.89 | 589 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N14 D12 | 24.22 | 77 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 | | |
| N12 D5 | 57.72 | 738 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | | |
| N2 D1 | 95.49 | 738 | 1.30 | 2.21 | 1.63 | 2.21 | 2.64 | 2.85 | 3.96 | 4.91 | 5.60 | 7.33 | 8.82 | 3 | 1.25 | 10 | | |
| N1 D9 | 17.55 | 98 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | | |
| | | † | 1.00 | 1.86 | 1.38 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3.5 | 2 | 10 | | |

| | | | | | | | | | | | | | | | | | | |
|------------------|-----|-----|--------|-------|------|------|------|------|------|------|------|------|------|------|------|-----|------|----|
| Dutton..... | N11 | D3 | 44.63 | 170 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Elmira..... | N7 | D3 | 22.12 | 87 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Elora..... | N5 | D4 | 45.65 | 255 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Essex..... | N15 | D7 | 86.57 | 457 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 |
| Exeter..... | N4 | D6 | 67.60 | 634 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Forest..... | N18 | D6 | 36.92 | 146 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Galt..... | N6 | D2 | 39.83 | 317 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 |
| Georgetown..... | N5 | D2 | 56.32 | 272 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Godertch..... | N8 | D2 | 46.37 | 186 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Grantham..... | N1 | D2 | 59.96 | 822 | 1.00 | 1.50 | 1.25 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3 | 1.5 | 10 |
| Guelph..... | N5 | D3 | 96.87 | 550 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 |
| Haldimand..... | N2 | D8 | 48.43 | 273 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 |
| Harriston..... | N8 | D5 | 23.17 | 59 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Harrow..... | N15 | D4 | 67.55 | 622 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 |
| Ingersoll..... | N10 | D3 | 175.73 | 602 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5.5 | 2 | 10 |
| Jordan..... | N1 | D3 | 36.19 | 389 | 1.05 | 1.86 | 1.38 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3 | 1.5 | 10 |
| Keswick..... | N3 | D5 | 53.42 | 1,021 | 1.20 | 2.10 | 1.55 | 2.10 | 2.50 | 2.70 | 3.75 | 4.65 | 5.30 | 6.95 | 8.35 | 4 | 2 | 10 |
| Kingsville..... | N15 | D5 | 120.67 | 1,377 | 1.00 | 1.80 | 1.25 | 1.98 | 2.36 | 2.55 | 3.54 | 4.39 | 5.01 | 6.56 | 7.89 | 3 | 2 | 10 |
| Listowel..... | N8 | D8 | 78.90 | 336 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| London..... | N4 | D2 | 190.37 | 2,124 | .90 | 1.65 | 1.15 | 1.75 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3 | 1.5 | 10 |
| Lucan..... | N4 | D5 | 31.89 | 131 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Lynden..... | N2 | D2 | 49.39 | 256 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Markham..... | N3 | D1 | 111.01 | 856 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Merlin..... | N14 | D15 | 83.60 | 319 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Milton..... | N13 | D3 | 59.75 | 344 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Milverton..... | N8 | D9 | 39.98 | 170 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Mitchell..... | N8 | D7 | 68.03 | 349 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4.5 | 2 | 10 |
| Newmarket..... | N3 | D4 | 63.15 | 358 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Niagara..... | N1 | D1 | 53.32 | 309 | 1.20 | 2.15 | 1.63 | 2.21 | 2.64 | 2.85 | 3.96 | 4.91 | 5.60 | 7.33 | 8.82 | 3 | 1.5 | 10 |
| Norwich..... | N10 | D1 | 108.66 | 469 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 |
| Oil Springs..... | N18 | D3 | 18.74 | 116 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Palmerston..... | N8 | D6 | 33.46 | 110 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Petrolia..... | N18 | D5 | 14.16 | 60 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Preston..... | N6 | D1 | 128.40 | 1,000 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.25 | 10 |

*See footnote on page 88.

†Lowbanks extension.

‡Suburban area.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1933

NIAGARA SYSTEM—Continued

| Rural power district | Miles of line | No. of consumers | Rural rates | | | | | | | | | | | | | | Prompt payment discount |
|----------------------|---------------|------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--|----------------|-------------------------|
| | | | Class and gross monthly service charge | | | | | | | | | | | | Gross consumption charge | | |
| | | | | | | | | | | | | | | | 1st 14 hrs. use of class demand min. 30 kw.-hrs. | All additional | |
| | | | 1B | 1C | 2A | 2B | 3* | 4 | 5 | 6A | 6B | 7A | 7B | cents | cents | | |
| | | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | | | % | | |
| N14 D2 | 92.90 | 689 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | |
| N7 D2 | 63.30 | 375 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | |
| N9 D1 | 104.43 | 422 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 2 | 10 | |
| N11 D1 | 160.85 | 1,121 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | |
| N17 D1 | 99.06 | 1,587 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | |
| N15 D1 | 129.19 | 2,074 | 1.00 | 1.86 | 1.38 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3.5 | 1.5 | 10 | |
| N18 D4 | 87.33 | 1,193 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | |
| N3 D2 | 75.26 | 731 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | |
| N8 D10 | 18.90 | 149 | 1.10 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | |
| N12 D6 | 64.60 | 348 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | |
| N1 D6 | 10.13 | 297 | 1.30 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 | |
| N8 D4 | 33.20 | 224 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | |
| N4 D4 | 71.64 | 221 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 | |
| N13 D1 | 91.41 | 442 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | |
| N8 D1 | 69.99 | 283 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | |
| N14 D11 | 62.25 | 269 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 | |
| N14 D14 | 59.55 | 261 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | |
| N10 D4 | 109.05 | 572 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3.5 | 2 | 10 | |
| N14 D13 | 85.91 | 548 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 | |
| N12 D7 | 96.48 | 434 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 | |
| N8 D3 | 40.04 | 261 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 | |
| N2 D3 | 70.08 | 938 | 1.20 | 1.89 | 1.39 | 1.89 | 2.22 | 2.44 | 3.33 | 4.17 | 4.72 | 6.22 | 7.44 | 2.5 | 1 | 10 | |
| N12 D3 | 74.37 | 293 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 | |
| N18 D7 | 15.00 | 56 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 | |
| N1 D5 | 282.08 | 2,615 | 1.00 | 1.86 | 1.38 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3 | 1.5 | 10 | |
| N16 D1 | 184.04 | 967 | 1.45 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 2 | 10 | |
| N10 D2 | 125.50 | 658 | 1.30 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 2 | 10 | |

*See footnote on page 88.

Total, Niagara System, 6,375.15; 44,540.

GEORGIAN BAY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------------|------|----|-------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|-----|----|
| Alliston..... | S32 | D1 | 22.25 | 139 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 |
| Arthur..... | E13 | D2 | 2.40 | 8 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Bala..... | GB13 | D1 | 36.56 | 222 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Barrie..... | S4 | D1 | 61.46 | 464 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Baysville..... | M10 | D1 | 32.40 | 126 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Beaumaris..... | M7 | D1 | 22.68 | 230 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Beaverton..... | W2 | D1 | 24.70 | 331 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Beeton..... | S33 | D1 | 1.63 | 5 | 1.22 | 1.89 | 1.39 | 1.89 | 2.22 | 2.44 | 3.33 | 4.17 | 4.72 | 6.22 | 7.44 | 8 | 2 | 10 |
| Bradford..... | S37 | D1 | 26.85 | 82 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Bruce..... | E19 | D1 | 51.48 | 263 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Buckskin..... | S24 | D1 | 1.14 | 16 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Cannington..... | W3 | D1 | 9.21 | 51 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Chatsworth..... | E3 | D1 | ..... | 22 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Cookstown..... | S35 | D1 | 50 | 2 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Creemore..... | S10 | D2 | 30.02 | 132 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Elmvale..... | S7 | D1 | 25.35 | 155 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5.5 | 2 | 10 |
| Flesherton..... | E1 | D1 | 2.56 | 24 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6.5 | 2 | 10 |
| Gravenhurst..... | M4 | D1 | 2.40 | 13 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Hawkestone..... | S9 | D1 | 25.31 | 157 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 |
| Holstein..... | E7 | D1 | .70 | 9 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Huntsville..... | M2 | D1 | 22.60 | 94 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Innisfil..... | S31 | D1 | 25.62 | 510 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6.5 | 2 | 10 |
| Lucknow..... | E24 | D1 | .10 | 2 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Mariposa..... | W9 | D1 | 47.30 | 306 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Markdale..... | E1 | D2 | 18.82 | 83 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Meaford..... | E14 | D1 | .87 | 5 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Medonte..... | S18 | D1 | 8.57 | 55 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 |
| Midland..... | S1 | D1 | 12.33 | 43 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Neustadt..... | E8 | D1 | .63 | 4 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Nottawasaga..... | S5 | D1 | 7.84 | 96 | 1.25 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Orangeville..... | E12 | D1 | 21.90 | 79 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Owen Sound..... | E2 | D1 | 3.59 | 48 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Port Perry..... | W12 | D1 | 46.38 | 345 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Ripley..... | E24 | D2 | 3.91 | 13 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 2 | 10 |
| Sauble..... | E46 | D1 | 10.00 | 46 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |

†Cedarhurst and Maple Extensions.

‡Greenbank Extension.

§Berkeley Station Extension.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES, OCTOBER 31, 1933
 GEORGIAN BAY SYSTEM—Continued

| Rural power district | Miles of line | No. of consumers | Rural rates | | | | | | | | | | | | Gross consumption charge | | Prompt payment discount |
|----------------------|---------------|------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--------------------------|-------|-------------------------|
| | | | Class and gross monthly service charge | | | | | | | | | | | | | | |
| | | | 1st 14 hrs. use of class demand min. 30 kw-hrs. | | | | | | | | | | | | cents | cents | |
| | | | 1B | 1C | 2A | 2B | 3* | 4 | 5 | 6A | 6B | 7A | 7B | All additional | | | |
| | | | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | cents | % | | |
| Shelburne..... | E10 D1 | 50 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 | | |
| Sparrow Lake... | W1 D1 | 243 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 10 | | |
| Tara..... | E15 D1 | 112 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 10 | | |
| Thornton..... | S36 D1 | 31 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 10 | | |
| Utterson..... | M8 D1 | 109 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 10 | | |
| Uxbridge..... | W11 D1 | 210 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 | | |
| Wasaga Beach... | S10 D1 | 608 | 1.25 | 3.00 | | | | | | | | | | 5 | 10 | | |
| Wroxeter..... | E22 D1 | 276 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 8 | 10 | | |

Total, Georgian Bay System, 826.16; 5,821.

EASTERN ONTARIO SYSTEM

| | | | | | | | | | | | | | | | | |
|----------------------------|---------|--------|-----|----------|------|------|------|------|------|------|------|------|------|------|---|----|
| Alexandria..... | L15 D1 | 19.85 | 99 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 10 |
| Arnprior..... | QM10 D1 | 5.20 | 55 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Belleville..... | C38 D1 | 77.31 | 672 | 1.20 | 2.15 | 1.45 | 2.25 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 10 |
| Bowmanville.... | C23 D1 | 28.80 | 124 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 10 |
| Brighton..... | C6 D1 | 10.01 | 62 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Brockville..... | L3 D1 | 98.14 | 648 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Campbellford.... | C11 D1 | 22.00 | 77 | 1.20 | 2.15 | 1.50 | 2.25 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Carleton Place... | H5 D1 | 58 | 1 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Chesterville.... | L5 D1 | 48.10 | 351 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Cobourg..... | C13 D1 | 85.03 | 451 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 10 |
| Colborne..... | C7 D1 | 33.19 | 218 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 10 |
| Fenelon Falls.... | C30 D1 | 18.94 | 131 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Iroquois..... | L9 D1 | 88.90 | 442 | Special. | | | | | | | | | | | | |
| Kemptville..... | H9 D1 | 5.41 | 44 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Kingston..... | C44 D1 | 113.84 | 718 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 10 |
| Lakefield..... | C18 D1 | 25.12 | 91 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |
| Lindsay..... | C29 D1 | 21.13 | 122 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 10 |

| | | | | | | | | | | | | | | | | | | |
|-------------------|------|----|--------|-------|------|------|------|------|------|------|------|------|------|------|------|------------|-----|----|
| Martintown..... | L13 | D1 | 21.19 | 139 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 |
| Maxville..... | L14 | D2 | 60.02 | 389 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | { 7 + 6 | 2 | 10 |
| Millbrook..... | C25 | D1 | 18.95 | 112 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Napanee..... | C43 | D1 | 106.39 | 519 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Napanee..... | T1 | D1 | 177.08 | 1,103 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 3 | 1.5 | 10 |
| Newcastle..... | C22 | D1 | 24.73 | 123 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Norwood..... | C31 | D1 | 7.90 | 60 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Onenabee..... | C26 | D1 | 3.66 | 4 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Oshawa..... | C24 | D1 | 110.27 | 1,519 | 1.00 | 1.86 | 1.38 | 1.86 | 2.22 | 2.40 | 3.34 | 4.14 | 4.71 | 6.18 | 7.42 | 3.5 | 2 | 10 |
| Perth..... | H2 | D1 | 15.13 | 59 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Peterborough..... | C20 | D1 | 61.10 | 1,057 | .63 | 1.16 | .79 | 1.21 | 1.59 | 1.66 | 2.01 | 2.57 | 2.91 | 3.81 | 4.62 | 4 | 2 | 10 |
| Prescott..... | L2 | D1 | 37.50 | 196 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 |
| Renfrew..... | QM16 | D1 | 5.50 | 9 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Smiths Falls..... | H3 | D1 | 53.53 | 338 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Stirling..... | C35 | D1 | 30.21 | 112 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Trenton..... | C3 | D1 | 41.67 | 201 | 1.35 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 5 | 2 | 10 |
| Warkworth..... | C49 | D1 | .33 | 6 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Wellington..... | C45 | D1 | 89.46 | 385 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Williamsburg..... | L7 | D1 | 17.29 | 101 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |

Total, Eastern Ontario System, 1,583.46; 10,738.

† Apple Hill section.

THUNDER BAY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------------|-----|----|-------|-----|------|------|------|------|------|------|------|------|------|------|------|---|---|----|
| Fort William.... | P10 | D1 | 46.74 | 145 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |
| Port Arthur.... | P2 | D1 | 29.16 | 116 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 4 | 2 | 10 |

Total, Thunder Bay System, 75.90; 261.

NORTHERN ONTARIO PROPERTIES

| | | | | | | | | | | | | | | | | | | |
|--------------------------------|-----|----|-------|-----|------|------|------|------|------|------|------|------|------|------|------|---|---|----|
| Manitoulin District | | | | | | | | | | | | | | | | | | |
| Manitoulin.... | FM1 | D1 | 36.40 | 163 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 7 | 2 | 10 |
| Nipissing District | | | | | | | | | | | | | | | | | | |
| North Bay.... | Z4 | D1 | 9.26 | 309 | .90 | 1.40 | 1.03 | 1.40 | 1.67 | 1.80 | 2.50 | 3.10 | 3.53 | 4.63 | 5.57 | 6 | 2 | 10 |
| Powassan.... | Z8 | D1 | 3.40 | 13 | 1.50 | 2.33 | 1.72 | 2.33 | 2.78 | 3.00 | 4.17 | 5.17 | 5.89 | 7.72 | 9.28 | 6 | 2 | 10 |
| Total, Nipissing District..... | | | 12.66 | 322 | | | | | | | | | | | | | | |

Total, all systems: Miles of line, 8,909.73. Number of consumers, 61,845.

*See footnote on page 88.

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes with limitations as follows:

| Class | Service | Class demand kilowatts | Phase | Volts | Fuse rating amperes (maximum) |
|-------|---------------------------------|---------------------------|----------|----------------|-------------------------------------|
| 1B | Hamlet Lighting..... | 1.32 | 1 | 110 | 15 |
| 1C | "..... | 2 | 1 | 220/110 | 35 |
| 2A | House Lighting..... | 1.32 | 1 | 110 | 20 |
| 2B | Small Farm Service..... | 2 | 1 | 220/110 | 35 |
| 3 | Light Farm Service | 3 | 1 | 220/110 | 35 |
| 4 | Medium Farm Service..... | 5 | 1 | 220/110 | 50 |
| 5 | " " "..... | 5 | 3 | 220/110 | 35 |
| 6A | Heavy Farm Service..... | 9 | 1 | 220/110 | 100 |
| 6B | " " "..... | 9 | 1 and 3 | 220/110 | 60 |
| 7A | Special Farm Service..... | 15 | 1 | 220/110 | According to load |
| 7B | " " "..... | 15 | 1 and 3 | 220/110 | According to load |

Class 1: Hamlet Service—Includes service in hamlets, where four or more consumers are served from one transformer. This class excludes farmers and power users. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores. Use of appliances over 1,320 watts permanently installed is not permitted under this class.

Class 1-C: Service to residences or stores with electric range or permanently installed appliances greater than 1,320 watts. Combinations of residence and store supplied from one service shall be not less than Class 1-C. Special or unusual loads will be treated specially.

Class 2A: House Lighting—Includes service to all residences that cannot be grouped as in Class 1. This class excludes farmers and power users.

Class 2B: Farm Service, Small—Includes service for lighting of buildings and power for miscellaneous small equipment and power for a single-phase motor not exceeding 2 horsepower or an electric range (motor and range not to be used simultaneously) on a small farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors not exceeding 3 horsepower and electric range. Range and motor are not to be used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors up to 5-horsepower demand or an electric range. Range and motor are not to be used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or an electric range. Range and motor are not to be used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Note: Class 2B is the service usually supplied to small farms of fifty acres or less and Class 3 is the service usually supplied to ordinary farms of larger size. More than 90 per cent of new contracts for farm service are in one or other of these two classes.

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

The advancement of the Abitibi Canyon development to the operating stage was responsible for the major items of design and construction during the year. After resuming construction as the agent of the receiver for the company, after financial difficulties had caused a cessation of work, the Commission carried on when the province of Ontario acquired the development.

The original plans of the company provided for the immediate completion of the whole development, which was designed to accommodate five units of 66,000 horsepower each. The major part of the work was completed before the shut-down referred to above, the dam, wing walls, sluices, high water channel and power house substructure being practically completed. The programme, as modified after the Province acquired the property, provided for the completion of two units to the operating stage, and other necessary work in connection therewith. The units came into service and delivered commercial power in the summer of 1933.

At the Niagara Falls plants, only minor items of construction, completing work commenced in the previous year, required attention. At Chats falls, extensive efficiency and capacity tests were conducted. The arbitration in connection with the Kingdon Mining and Smelting company involved a large amount of field and office work as assistance to the Legal department.

In the Georgian Bay system, repairs were made to the dam at Walkerton, and investigations were made of wood-stave pipe joints, preparatory to the reconstruction of No. 1 wood-stave conduit at the Eugenia development. Repairs were also made to concrete in the dam at Nipigon.

At the request of the Public Utilities commission of the town of Almonte, plans and specifications were prepared for an extension of the town's power plant by the installation of an additional unit. The Commission's engineers also gave advice during the completion of the contract for the new equipment, and made inspections during its fabrication.

Surveys were made and plans and estimates prepared in connection with the construction of a development to supply power to mining properties in the district of Patricia.

Further assistance was given to the Department of Lands and Mines in connection with the Grand river conservation scheme.

NIAGARA SYSTEM

Queenston-Chippawa Development

The end of the last fiscal year found certain minor works in progress on the Queenston-Chippawa development, which were completed shortly after that time. Among these were repairs to the Michigan Central Railroad bridge over the power canal at Montrose, and work on the Victoria Avenue bridge.

Ontario Power Plant

At the Ontario Power plant, scaling of loose rock from the cliff behind the generating station continued, and was completed at the end of December. A dry stone wall was also built on the rear wall backfill to protect the power house roof from any material on the cliff that may become loosened by weathering and be dislodged. This and certain site improvements were completed early in January.

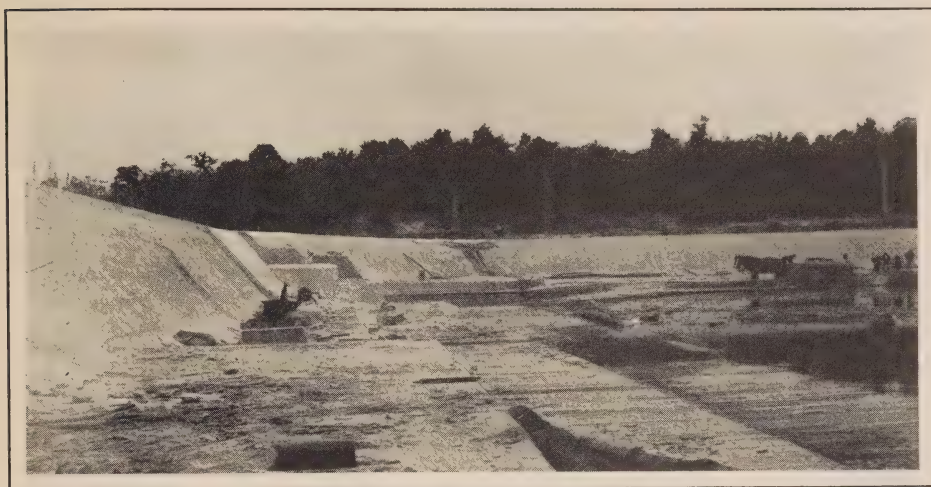
An inspection of the steel plate of certain of the penstocks was made, and a report prepared on the protective measures to retard deterioration of the outer surface. The penstocks at the Ontario Power plant are erected in shafts and tunnels, extending downward and outward from the three main conduits. Five shafts and tunnels house penstocks Nos. 1 to 10, two in each tunnel. In a number of the tunnels, the void around the penstocks has been filled with concrete to protect the penstocks. The inspection referred to was carried out in the other tunnels, for the purpose of determining the necessity, and the measures to be adopted, for preservation of the unprotected penstocks.

Chats Falls Development

Only minor items of construction work were carried out during the past year, the plant having been completed during the previous year. Hydraulic tests of various kinds were conducted, having in view the determination of the turbine capacity and efficiency, the plant capacity under low head, and the plant capacity at periods of low flow.

Turbine efficiency and capacity tests were conducted on unit No. 3. Units 4, 7 and 8 had been tested in the previous year, and on these, consistent results were obtained. The tests on unit No. 3 confirmed the results obtained on the other units.

The quantity of water used per unit at this plant is in excess of 6,000 cubic feet per second at full gate. The quantity of water to be measured and the design of the plant combined to make accurate measurements more difficult than is usually the case. The Gibson time-pressure method of water measurement had been applied in the majority of the tests conducted by the Commission, especially in those cases where a reasonable length of supply pipe was available within which the method might be applied. The supply pipes at Chats falls are much shorter than any in which the method had been used previously, but application of the method proved to be quite successful, in fact the results obtained on the different units were unusually consistent. The results of these tests, in addition to determining that the turbines met the manufacturers' guarantees, provide information



WALKERTON DAM—SAUGEEN RIVER
Spillway and apron cribs

of great value in connection with operation of the plant to obtain the maximum output from the available quantity of water. The tests also permit accurate records of river discharge to be kept.

Assistance was given to the Legal department in connection with the arbitration on the claims of the Kingdon Mining and Smelting company for compensation for lands expropriated and for damages to lands and mining properties. The hearings in connection with this arbitration lasted for more than sixty days, and involved a very great amount of computation and field work on the part of this department.

GEORGIAN BAY SYSTEM

Inspection of the wood-stave conduit installed in 1914 at the Eugenia development indicates that its replacement will be necessary in the near future. The Commission's experience during the past twenty years with wood-stave pipes has indicated certain weaknesses in the usual type of end joints used. Accordingly, with the co-operation of manufacturers, investigations have been proceeding for some months on designs and devices to overcome the tendency of the stave ends to split or rot. It is proposed to build a section of pipe incorporating the various designs of joints, and subject it to suitable tests.

Repairs were carried out on the dam on the Saugeen river at Walkerton. Erosion under and downstream from the dam allowed leakage to take place equivalent to the water capacity of one of the turbine units. Several attempts to plug the leak have been made by former owners, but in none of these was anything more than temporary relief obtained.

As the erosion had taken place in the vicinity of the original sluiceways, the sluiceway was closed and converted into a spillway, below which apron cribs were built. Cribs were built on the east bank to protect the land there from erosion when the sluiceways are open. Protecting cribs were built also in an eroded area downstream from the sluiceways.

A disused narrow-gauge railway bridge near the Hanover plant, communicating with marl beds west of the river, which created a flood hazard, was removed.



ABITIBI CANYON POWER DEVELOPMENT

Forebay, dam and sluice gate from west shore above dam

NORTHERN ONTARIO PROPERTIES

Abitibi Canyon Development

The major items of construction work during the year were in connection with the Abitibi Canyon development, which has now reached the operating stage. This development, on the Abitibi river, is situated near Fraserdale, sixty-five miles northerly from Cochrane. Construction was commenced in 1930 by the Ontario Power Service corporation, a subsidiary of the Abitibi Power and Paper company. Active construction ceased in the summer of 1932, due to financial difficulties. The Ontario Power Service corporation was placed in a receivership in November, 1932, and construction of the Canyon development was continued by the Commission for the Receiver until the development was taken over by the province of Ontario early in 1933.

Active construction commenced in August, 1930, and by July, 1932, when financial difficulties caused the work to be shut down, the plant was rapidly nearing completion. The concrete in principal structures was all in place, except for about 850 cubic yards in the dam, the wing walls at each end of the dam, and a small protection wall on the down-stream side of the dam. An additional 3,000 cubic yards of concrete was required for bulkheads behind the closure gates in the unwatering tunnels, and tailrace excavation to the extent of 57,000



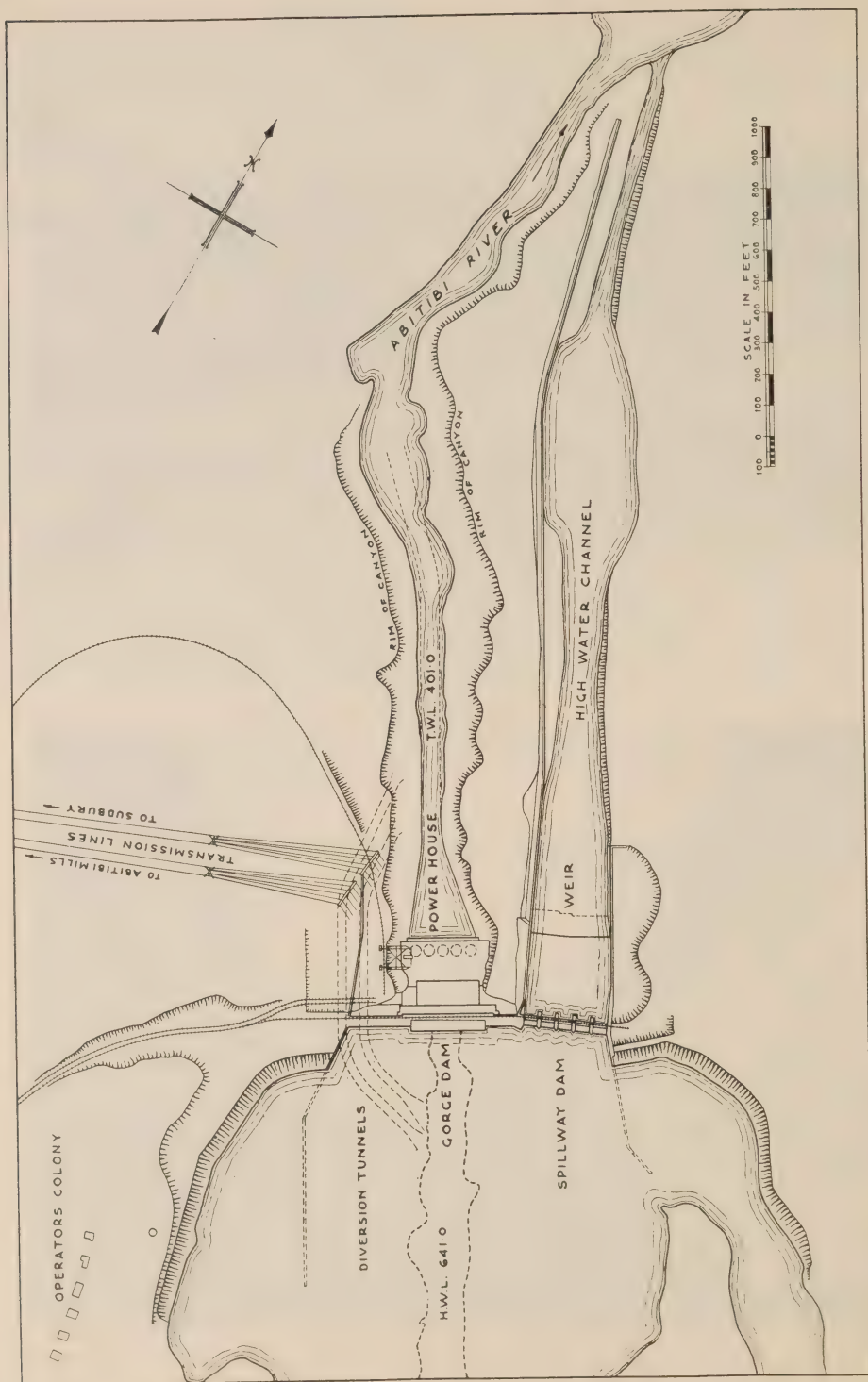
ABITIBI CANYON POWER DEVELOPMENT

High water channel, looking downstream to river



ABITIBI CANYON POWER DEVELOPMENT

Tailrace from Power House—December, 1933



ABITIBI CANYON POWER DEVELOPMENT—NORTHERN ONTARIO

cubic yards was still to be removed. The erection of the hydraulic units and equipment was about 70 per cent completed, and nearly everything was delivered for units 1 to 4, as well as a large part of unit No. 5. Delivery and erection of electrical equipment was not as far advanced. The power house roof and part of the downstream wall were temporary structures only.

The decision was reached to continue construction so far as to place two units in operating condition, the equipment for the remaining three units being stored at the development, to be used when load conditions required their installation. Work was prosecuted vigorously from the beginning of the fiscal year, November 1, 1932, and by the end of March the tailrace excavation was completed and the cofferdam and rock at the lower end of the tailrace removed by blasting. The power house superstructure was practically completed, with the exception of the application of the roofing material and the guniting of the slabs over the penstocks.

Good progress had been made on the installation of equipment. Turbine unit No. 1 was in place and aligned, the generator unit in place, and the bearing being assembled. All governor piping in the turbine pit, including servomotors, had been opened up and thoroughly cleared, and the cleaning of the governor piping above the power house floor was in progress. Work was proceeding on unit No. 2.

Unit No. 1 was turned over for the first time on May 4, and delivered commercial load on May 24, 1933. No. 2 unit was placed in service on August 27, 1933. A description of the development follows.

The Abitibi Canyon development is situated on the Abitibi river in the James Bay drainage area, about sixty-five miles northerly from Cochrane. The river drains an area of 8,440 square miles above the power site, and has an estimated average flow of more than 9,000 cubic feet per second. The site possesses natural advantages for the construction of a power development, in that the river channel there is confined to a narrow gorge, the rock walls of which rise about 170 feet above the river bed. The dam concentrates the natural fall in about six miles of river upstream therefrom, and the tailrace excavation regains most of the fall from the dam site to the pool at the head of Eleanor rapids, about three-quarters of a mile downstream. The normal headwater level will be 641, and normal tailwater 401, and the head 240 feet. The accompanying plan supplements this description and shows the relative positions of the various structures and waterways.

The dam is a concrete gravity type structure, extending across the main section of the canyon, with a sluiceway section adjoining it at the easterly end. The closure is completed by a concrete retaining wall and rolled earth fill at the west end of the dam, and a similar retaining wall and earth fill at the east end of the sluiceway section.

The sluiceway section, which is designed to discharge the maximum anticipated flood discharge of the river, consists of five gates, each having a clear opening of 45 feet, with sills at elevation 616, each provided with an independent motor-driven hoist. Heaters are provided for the checks, and space heaters in the gates, which are sheeted on the downstream face, to assure

satisfactory winter operation. The sluiceways discharge into a high water channel, extending for about 3,000 feet along the east bank of the river, and discharging into the pool above Eleanor rapids. The high water channel is located well back from the edge of the east bank of the canyon, and is formed partly by excavation in rock and partly by the construction of gravity wall sections along the sides where necessary to prevent overtopping.

The power house extends completely across the gorge and adjoins the main dam section. The generator room is about 250 feet by 50 feet, and in the rear of this, partly superimposed on the lower slope of the dam, is accommodation for control room, offices, low tension switching, machine shop, pumps and other auxiliaries. An elevator in a shaft on a slope, which conforms to the downstream face of the dam, extends from the turbine deck to the headworks.

The power house is designed for an ultimate installation of five main units, two of which are now completed. Each of the turbines has a rated capacity of 66,000 horsepower at 150 r.p.m. under a net head of 237 feet. Each turbine is equipped with an 18-foot steel plate penstock, the intake being located in the upper portion of the gravity section of the main dam, whence the penstocks lead down from the face of the dam to the power house substructure, where they are joined to the steel plate scroll cases incorporated therein. The penstocks are protected from low temperatures by a continuous roof, which extends over the entire penstock area. This roof is supported on steel columns, and consists of I-beam purlins carrying aerocrete slabs, which are protected from the weather by a heavy coating of gunite.

Each turbine is directly connected to a 45,000 kv-a., 85-per-cent-power-factor, 13,800-volt, 25-cycle generator, with main and sub-exciter.

The plant is served by a standard gauge railway spur from the site to Fraserdale, where it joins the T. and N.O. railway. Accommodation for the operating staff is provided in houses erected on high ground on the west bank of the river.

HYDRAULIC INVESTIGATIONS

Mississippi River

During the year, the Public Utilities commission of the town of Almonte asked for engineering assistance in connection with an extension of its power development on the Mississippi river within the town. The town owns two plants, only one of which is operated at present. This plant contains a single unit, having a turbine with a rated capacity of 550 horsepower and 550-kv.a. generator, but the power canal and power house substructure are designed for the installation of a second unit.

The Commission's engineers made an examination of the existing plants, and gave advice as to the type of equipment that would be most suitable for the town's requirements. Following this, plans and specifications were prepared



KAGAMI FALLS—ALBANY RIVER
An undeveloped power site in Northern Ontario

covering one 650 horsepower (30-foot head) turbine and generator, with governor and other appurtenances. Tenders were called for on this equipment and advice given in connection with the completion of the contract and inspections made throughout the period of fabrication of the equipment.

Albany River

Pursuant to requests for studies and estimates for power supply required by certain mining properties in the district of Patricia, preliminary surveys were made of three possible power developments on the Albany river. The locality for which a power supply is desired lies about ninety miles by aeroplane north of Savant lake station on the Canadian National railway, and one hundred and twenty miles by winter road.

Three power sites on the Albany river, about twenty-five miles south of the properties to be served with power, were investigated in the summer of 1933, and preliminary surveys made, with a view to estimating the cost of developing about 1,000 horsepower, the anticipated demand of the district. The three sites surveyed are Cedar rapids, at the outlet of lake St. Joseph, and Triple falls and Kagami falls, respectively twenty and twenty-five miles downstream. At each of the first two, the available head is 15 feet, and at Kagami falls 21 feet. Transportation of material and equipment to the sites is difficult and expensive. Heavy parts may be taken in only by winter road; for general supplies, aeroplanes may be utilized. The plants, therefore, are designed as far as possible to reduce transportation costs. Preliminary designs and estimates have been prepared.

Grand River Flood Prevention

Assistance was given to the Department of Lands and Forests of the province of Ontario in connection with proposed storage works on the Grand river.

Attention has been given to propositions for flood prevention on the river for many years, the Commission making certain surveys and investigations in that connection some twenty years ago. The Department of Lands and Forests requested the assistance of the Commission in a complete investigation of the problems of alleviating flood damage, of maintenance of a higher flow in the summer months, etc. A report, prepared jointly by the chief hydraulic engineer of the Commission and the deputy minister of the Department proposed that certain storage works be constructed, and investigated the effects of these in reduction of flood peaks and in improvement of low water flows. Subsequently, after submission of the report, the Legislature passed an act, known as the Grand River Conservation Commission act, to provide the machinery whereby the interested municipalities in the Grand River watershed might co-operate to carry out the works or any desired part of them. During the past year, progress has been made on further surveys, borings and examination of dam sites, and on the preparation of plans, specifications and estimates for the initial storage reservoir in the conservation scheme.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION (STATION SECTION)

NIAGARA SYSTEM

Generating and Switching Stations

Generating Stations on the Niagara River—The relaying system on the 110,000-volt lines at Queenston generating station is being improved and definite-time relays were purchased and installed on each of the generator circuits.

MacLaren Development—The necessary engineering work was carried out in co-operation with MacLaren-Quebec Power Company for the receipt of the first block of 20,000 horsepower under contract for delivery on July 1, 1933.

Transformer and Distributing Stations

Niagara District—At Ontario Paper (Steam) transformer station, referred to in last year's Annual Report as under construction, the transformers, electric steam generators and all switching and controlling equipment were installed, and were placed in service on February 2, 1933. Each of the three electric steam generators is capable of generating 90,000 pounds of steam per hour and is designed for a pressure of 200 pounds.

Temperature-measuring equipment indicates the hottest-spot temperature in the transformers and permits safe loading of the transformers on a temperature basis. In this way advantage may be taken of the low temperature of the cooling-water in winter and the transformers overloaded in order to obtain more steam during that season when it is required.

There are no high-voltage oil circuit-breakers at the transformer station. In case of emergency the 110,000-volt line may be cleared by closing a solenoid-operated, single-pole, ground-switch which effectively grounds the line causing an oil circuit-breaker to open promptly at Queenston generating station. A low-voltage oil circuit-breaker is located in each steam-generator circuit which opens automatically to clear the respective feeder in case of ground or short-circuit on a generator or feeder, and in case of failure of a circulating-pump circuit.

In approximately four months from the time this work was started the station was in service.

Late in October authority was given to proceed with the erection of a transformer station including an electric steam generator at Provincial Paper Limited plant at Thorold and another at Interlake Tissue Mills Company Limited plant at Merritton. These stations when completed will enable the respective companies to generate steam for their manufacturing processes and in so doing put to beneficial use, under special contracts, a portion of the system reserve power capacity at such times as it may be available.

There will be one three-phase, 7,500-kv-a. transformer and a 7,500-kw. electric steam generator installed at each station. The generators have already been purchased and the transformers and switching equipment will be purchased in November, 1933.

The Thorold distributing station and Corbett distributing station on the Dominion Power division were dismantled. Changes were made in the metering equipment at Empire Cotton distributing station and at Page Hersey Tubes Limited, Welland.

Hamilton and Dundas District—At Hamilton Beach transformer station the relays on the 110,000-volt lines to Queenston generating station and Toronto-Strachan and Dundas transformer stations were replaced by high-speed, distance, directional, phase and ground relays and a fence was installed around the lightning-arresters. Improvements were made to the fencing at Waterdown, Hagersville, Decewsville and Lynden distributing stations and the electrical-grounding system was changed.

Toronto and York District—At Toronto-Strachan transformer station relaying equipment is being installed for differential protection on the 110,000-volt bus, and high-speed selective relays on the high-voltage lines to Toronto-Bridgman-Davenport, Toronto-Wiltshire, Hamilton-Beach and Dundas transformer stations. Two 110,000-volt potential-transformers were transferred to the station for this purpose. The current capacity of two of the 110,000-volt line-entrances and part of the bus was increased.

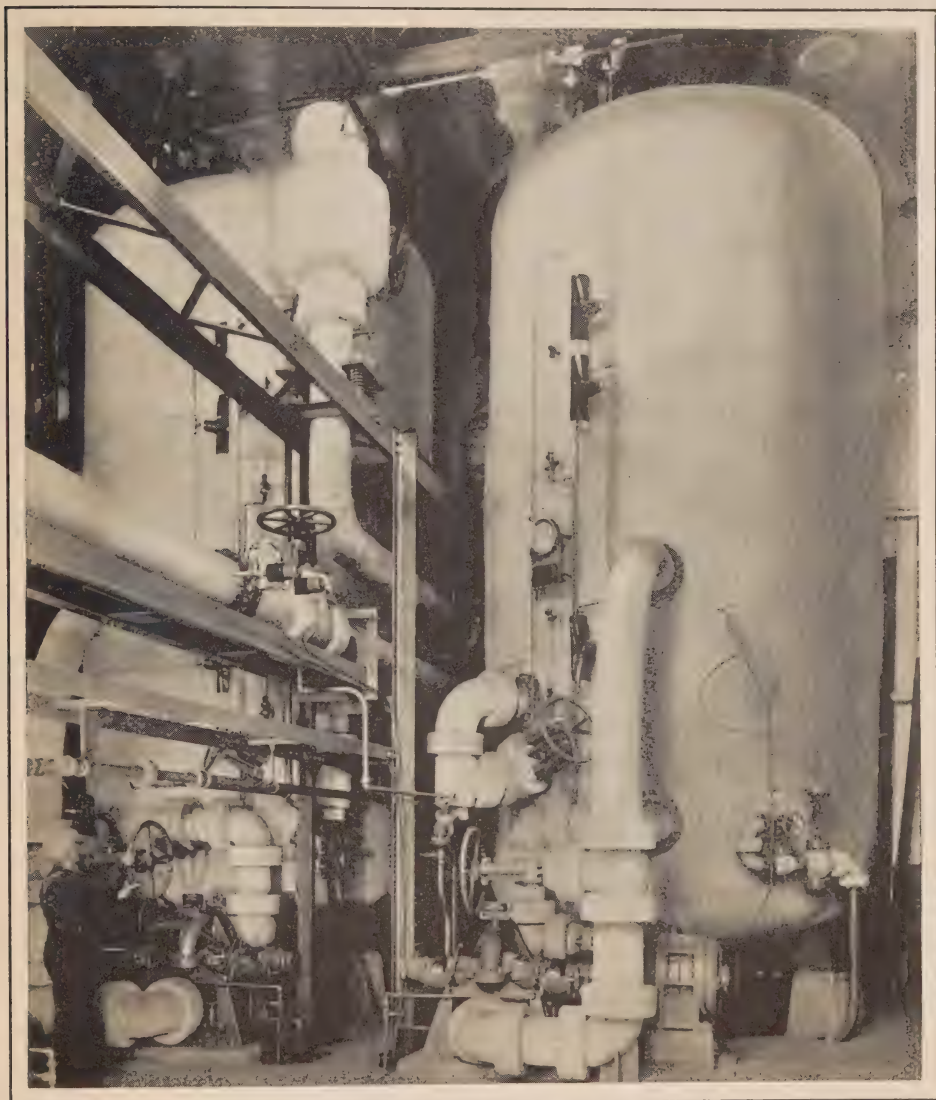
At Toronto-Bridgman-Davenport transformer station the high-voltage neutral was grounded through a water resistor and high-speed relays were installed on the 110,000-volt line to Toronto-Strachan transformer station. Changes were made in the 13,200-volt cable-connections.

At Toronto-Wiltshire transformer station improvements were made in the metering and relaying equipment. High-speed relaying equipment was installed on the line to Toronto-Strachan transformer station for which a new 110,000-volt potential-transformer was purchased and installed.

At Toronto-Leaside transformer station improvements were made in the relaying equipment and engineering work was carried on in preparation for future installation of No. 7 and No. 8 transformer banks.

At Mount Joy and Sharon distributing stations changes were made to the fencing and in the latter station the current-transformers were replaced by larger-capacity units.

At New Toronto distributing station the 2,300-volt disconnecting-switches and lightning-arresters were replaced by more modern type units and improvements were made to the outdoor bank of three 1,500-kv-a. transformers.



ELECTRIC STEAM GENERATORS

Two of three, 30,000-kw., 3-phase, 25-cycle, 6,600-volt steam generators for Ontario Paper Company. Maximum operating pressure 200 lbs. per square inch

London District—Air filters and carbon-dioxide, fire-protection apparatus were installed on the synchronous-condenser at London transformer station.

Improvements were made to the fencing and grounding system at Thamesford, Ailsa Craig, Glendale, Delaware, Broughdale, and Lucan distributing stations. At the latter two stations necessary changes were also made in some of the electrical equipment.

Guelph District—The graphic wattmeters at Acton distributing station were replaced by more suitable type.

Preston District—Two original 110,000-volt oil circuit-breakers were replaced by two of modern type transferred from Toronto-Bridgman-Davenport transformer station.

Kitchener District—At Kitchener transformer station special thermal instruments were installed on the Kitchener municipal feeders to enable the total load to be read on meters situated in the municipal station.

Stratford District—At Stratford transformer station five inadequate 26,400-volt oil circuit-breakers were replaced. A new 450-ampere grounding reactor for grounding the 26,400-volt bus was purchased and installed outdoors. This reactor is used with the improved relaying system which was also recently placed in service.

St. Marys District—At St. Marys transformer station one 110,000-volt oil circuit-breaker was replaced by a modern unit transferred from Toronto-Bridgman-Davenport transformer station.

Woodstock District—At Beachville distributing station the necessary equipment for a second 13,200-volt feeder was purchased and installed.

St. Thomas District—The work under way at St. Thomas transformer station last year was completed and placed in service.

At Aylmer distributing station a 4,000-volt switching structure was erected, adjacent to the station, for sectionalizing the feeders to the various load centres.

Kent Transformer Station—At Bothwell distributing station improvements were made to the fencing and grounding system.

St. Clair District—At Watford distributing station changes were made in the meter connections and the graphic wattmeter was replaced.

At Arkona and Thedford the metering equipment was altered to meter 8,000-volt service instead of 4,000-volt service.

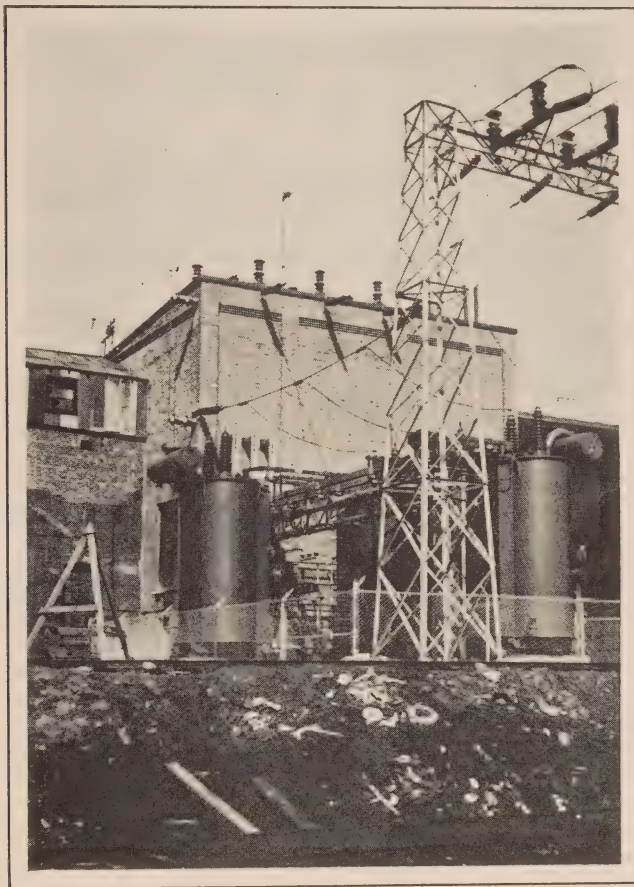
At Sarnia municipal station No. 2, air-break switches were purchased and installed on the 26,400-volt line into the station and in the bus between No. 3 and No. 4 banks.

GEORGIAN BAY SYSTEM

Severn District—Extra accommodation was provided in the operators' cottages at Big Chute generating station and improvements were made to the sewage-disposal system..

Eugenia District—At Kincardine distributing station a bank of three new 250-kv-a. transformers was purchased and installed replacing the original bank of three 125-kv-a. units. The latter units were transferred to system reserve.

At Shelburne distributing station improvements were made to the grounding system, a 22,000-volt air-break switch was purchased and installed outside of the station and metering equipment was installed on the Hornings Mills feeder. At Owen Sound distributing station improvements were made to the grounding system.



TRANSFORMER STATION—ONTARIO PAPER COMPANY
Outdoor layout of 110,000-volt station supplying current to
electric steam generators

Wasdells District—At Wasdells generating station water-connections were made to the Superintendent's house and generating station and a sewage-disposal plant was installed.

Muskoka District—At Gravenhurst distributing station improvements were made to the station grounds.

Bala District—At Bala generating station a new structure was erected opposite the present Bala generating station and the step-up transformers feeding power to Port Carling and McTier were moved from their former situation and installed on pads at the new structure, with the necessary switching equipment. The original structure was dismantled.

EASTERN ONTARIO SYSTEM

110,000-volt Transformer Stations—Telemetering equipment was purchased and installed between Val Tetreau switching station and Ottawa transformer station, the meters being placed in the latter station. The installation will give a graphic record of the total 110,000-volt, 60-cycle power received from Gatineau Power Company.

Central Ontario District—A bank of three new current-transformers was installed at Ranney Falls generating station and improvements were made in the relaying system.

At Heely Falls generating station changes have been made in the installation of the metering equipment.

At Brighton, Lakefield, and Cobourg distributing stations changes were made in some of the metering equipment.

At Millbrook, Madoc, Belleville No. 1 and Warkworth distributing stations and Belleville switching station improvements were made in the fencing of the grounds.

At Oshawa distributing station the concrete walls of the original cooling-pond were removed, the hole was filled in and the grounds were levelled to conform with the adjacent grounds.

At Kingston distributing station a 1,500-kv-a., three-phase transformer was installed, replacing a 750-kv-a. unit which was transferred to system reserve. The current-transformers were correspondingly replaced by larger units.

At Kingston switching station the relaying equipment was improved.

St. Lawrence District—At Williamsburg distributing station a second 100-kv-a., single-phase transformer obtained from system reserve was installed in parallel with the present transformer.

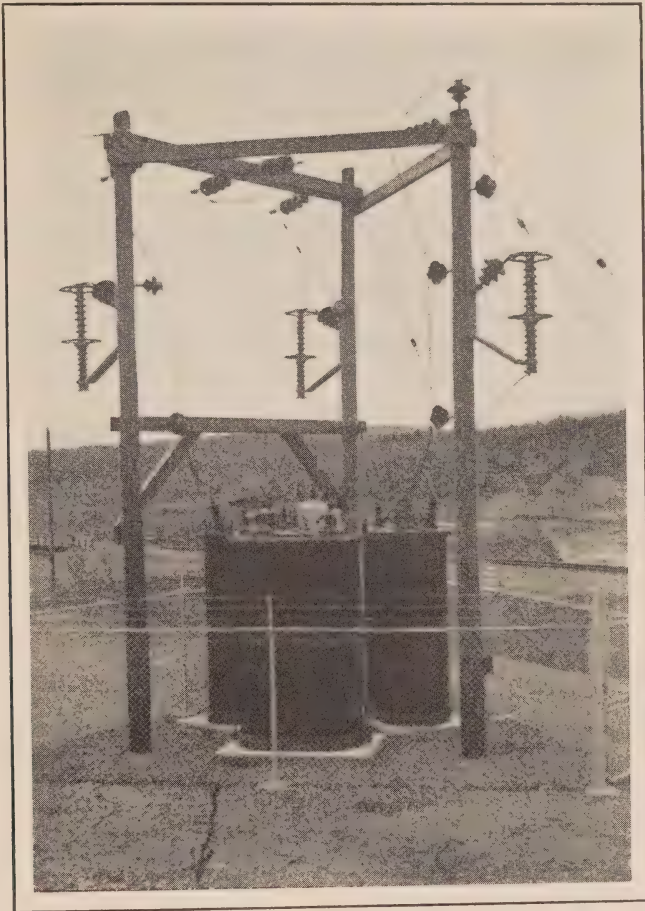
A new 225-kv-a. distributing station was installed at Maxville to supply power to the town of Maxville and the rural power district. Three 40-kv-a., single-phase transformers originally at Omeme distributing station were rebuilt for 75-kv-a. capacity and transferred to Maxville for this installation.

At Apple Hill distributing station, 4,000-volt metering equipment was installed on the rural feeder supplying a portion of Maxville rural power district.

Rideau District—At the request of the Almonte Public Utilities Commission, engineering assistance was given in the preparation of specifications for, and in the purchase of a new 550-kv-a. generator for its hydro-electric plant.

THUNDER BAY SYSTEM

Transformer Stations—A step-up transformer station was installed outside the Cameron Falls generating station for the purpose of delivering power at 33,000-volts to Northern Empire Mines Limited about 48 miles northeasterly. Three 400-kv-a., 33,000/11,000-volt, single-phase transformers were transferred from the Madawaska system and used for this installation with the necessary switching, metering and controlling equipment. Power is supplied from the 12,000-volt bus in the generating station.



TRANSFORMER STATION AT CAMERON FALLS,
NIPIGON RIVER

At the Northern Empire Mines Limited station, metering equipment was installed on the low-voltage feeders for metering the load supplied to this customer.

Engineering and other assistance at the request of the Northern Empire Mines Limited was rendered the Company in the design and construction of its step-down sub-station.

Port Arthur rural distributing station was installed near Port Arthur transformer station to supply single-phase, 6,600-volt power to the beach district north-east of the city. A 75-kv-a. transformer obtained from Georgian Bay system reserve was used.

Fort William rural distributing station was installed to supply 8,000-volt, three-phase power to Fort William rural power district from the 2,300-volt distribution lines. Three new 50-kv-a., 4,600/2,300-volt single-phase transformers were purchased for the installation.

At Port Arthur rural distributing station, which supplies single-phase power to the rural power district north of High street, a $37\frac{1}{2}$ -kv-a., 2,300/4,600-volt,

single-phase transformer was purchased and installed in the feeder to permit grounding it, and to isolate it from the ungrounded distributing system.

At Port Arthur transformer station high-speed relaying equipment was installed on the 110,000-volt and 22,000-volt lines terminating at the station. A rearrangement of the switching equipment was made on the three out-feed 110,000-volt lines.

At the Great Lakes Paper Company's plant at Fort William two electric steam generators and 2,300-volt switching, controlling and metering equipment were installed and placed in operation under a contract with the company which permits it to utilize reserve electric power capacity at such times as it may be available, to generate steam required in its manufacturing processes. The electric steam generators are each rated at 8,000 kw., 2,300 volts, and are suitable for operation under 200 pounds steam working pressure. The Company is using its own transformers to supply the power to the generators from the Commission's 110,000-volt lines.

At the Provincial Paper, Limited, plant at Port Arthur a 24,000-kv-a. transformer station is being installed for a similar purpose. Two 12,000-kv-a., 60-cycle, three-phase, 110,000/6,600-volt transformers and two 12,000-kw. electric steam generators have been purchased and will be installed and in operation by the middle of November.

NORTHERN ONTARIO PROPERTIES

Abitibi District—The necessary generators, transformers and switching equipment were installed and placed in operation at Abitibi Canyon development to make available 55,000 horsepower as required for the customers on the system.

Studies and estimates were prepared in connection with the supply of power to prospective customers. (See Frontispiece.)

Sudbury District—At Stinson generating station improvements were made in the synchronizing, relaying and switching equipment.

At McVittie generating station, No. 1 generator was rebuilt with new armature coils. Surge-absorbers were purchased and installed on the Burwash feeder and improvements were made in the grounding system at the station.

At Coniston generating station improvements were made in the relaying and grounding system.

At Sudbury distributing station a spare 1,000-kv-a., single-phase transformer was purchased and installed. The 22,000-volt lightning-arrester was replaced by a more suitable unit.

Manitoulin District—Kagawong distributing station was erected on the site of Little Rapids Pulp Company's Kagawong development on Manitoulin island to supply power to the Manitoulin rural power district at 11,400 volts. Three 100-kv-a., single-phase, 60-cycle, 7,200/600-volt transformers were purchased for this installation.

ADMINISTRATION BUILDING

Tenders for the construction of an administration building were received and a report thereon was prepared. The construction of the building however was deferred by the Commission.

SECTION VI

TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS

TRANSMISSION SYSTEMS

The activities of the Commission's transmission section have been confined largely to minor detail improvements within the various systems, and to consolidation and recording of extensive construction programs and of purchases in previous years. Certain works of major importance were completed, notably the extension of the 220,000-volt system to the Ottawa river at Cumberland, where it connects with the line of the James MacLaren Company Limited from the Masson development on the Lievre river, Quebec; the building of 48 miles of 33,000-volt line out of Cameron Falls transformer station, Nipigon river, to serve the Northern Empire Mines Limited, and the serving of stations to generate steam electrically.

The transmission system, recently purchased by the Commission, which carries power from the Canyon development on the Abitibi river was taken over and incorporated in the Northern Ontario properties.

Work has progressed in the reinforcement of telephone and railway crossings in the various systems in conformity with the Board of Railway Commissioners' regulations.

The following synopsis relates to the work undertaken during the year. At the back of this report a map is included showing transmission lines and stations and relative data are tabulated in Appendix II.

NIAGARA SYSTEM

220,000-volt Lines

Between a point on the Ottawa river opposite Masson and Cumberland junction, a length of 1.33 miles of single-circuit, 220,000-volt, steel-tower line was completed. This line is of similar construction to other 220,000-volt lines of the Commission and was designed to transmit power from the Masson Power Development of the James MacLaren Company Limited to the Niagara system.

110,000-volt Lines

Between a junction established at Holland road and the Ontario Paper Company's plant at Thorold 0.66 mile of single-circuit 110,000-volt steel-tower line was completed.

44,000-volt Lines

Between Burlington and Oakville, 10.9 miles, the former D. P. & T., single-circuit, wood-pole line was removed, service to Oakville now being made over the Commission's circuits reported in 1932.

26,400-volt Lines

Between Tilbury junction and Fletcher junction a portion of the 26,400-volt circuit was removed from the telephone poles adjacent to the railway and placed on a pole line which had been previously constructed on roads, for rural circuit requirements. The revisions also included the relocation of switches and the replacement of a small portion of steel cable with No. 2 steel-reinforced, aluminum cable.

Rehabilitation of 5 sections of single-circuit, wood-pole line totalling 28.25 miles was completed in the vicinity of Dundas-Hagersville, Caledonia and Decewsville. These lines had been in operation since 1912 and poles, cross arms, etc., in most cases, were replaced.

Other Lines

At Brittonia Junction two obsolete 13,200-volt air-break switches were replaced by a modern type.

At Beachville distributing station the line entrance structure was rebuilt and the line switching revised so that now two circuits enter the station.

The reinforcement of railway and telephone line crossings has been continued.

GEORGIAN BAY SYSTEM

Eugenia District

Between Crombie junction and Orangeville distributing station 16.35 miles of single-circuit, wood-pole line with telephone circuit were constructed. This new line replaces the old which had become inadequate.

Severn and Wasdells Districts

Sixteen railway and telephone line crossings were reinforced in the Severn and Wasdells Districts.

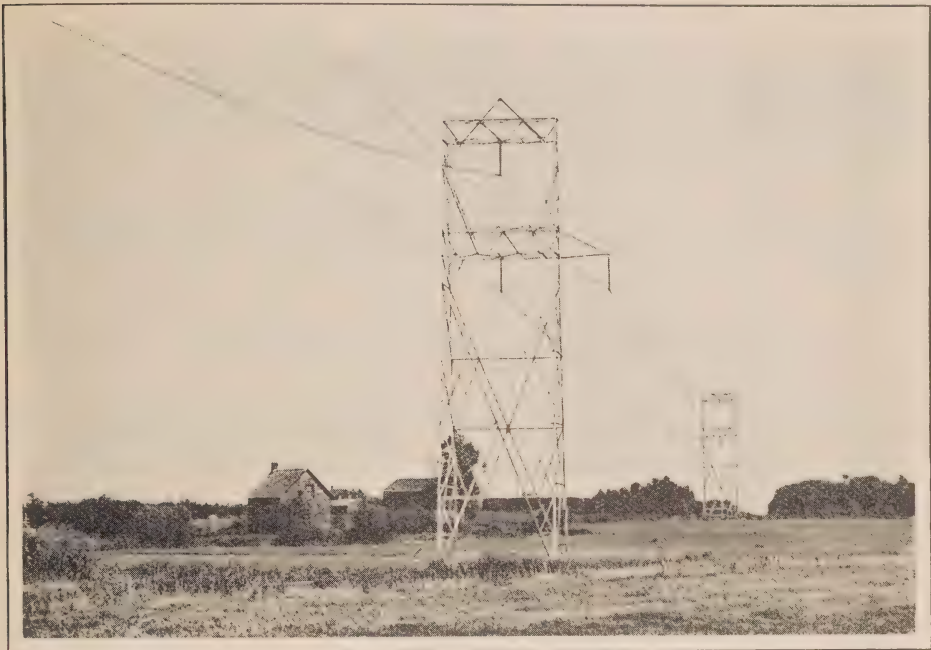
Work in these districts was confined to the reinforcement of crossings in compliance with regulations of the Board of Railway Commissioners.

EASTERN ONTARIO SYSTEM

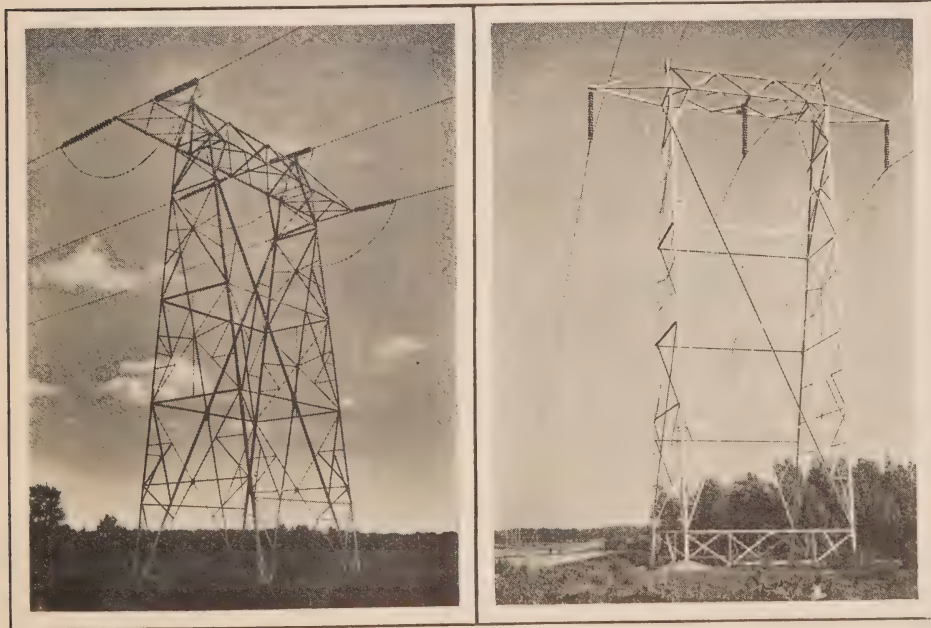
Between Dominionville junction and Maxville distributing station, 5.17 miles, the existing line which was originally built for 44,000 volts, but operated at 4,000 volts was connected to the 44,000-volt circuit at Dominionville junction.

THUNDER BAY SYSTEM

Construction was completed of 48 miles of 33,000-volt, wood-pole line between Cameron Falls transformer station and the Beardmore mine. This line is single-circuit with conductors of No. 4 solid copper.



HYDRO 220,000-VOLT TRANSMISSION LINES
Transposition towers on the Beauharnois-Chats Falls line



HYDRO 220,000-VOLT TRANSMISSION LINES
BEAUHARNOIS-CHATS FALLS

Semi-anchor tower showing loop without
suspension insulator

Suspension tower with ten-foot extension

TELEPHONE LINES—ALL SYSTEMS

The telephone system of the recently purchased D. P. & T. Co. was co-ordinated with that of the Niagara system. Approximately 17.5 miles of single-circuit were erected to interconnect the two systems in the vicinity of Hamilton, Decew Falls and St. Catharines.

In the vicinity of Effingham 1.40 miles of four-circuit, high-tension, telephone line were diverted to a shorter route which eliminated extensive yearly tree trimming.

DISTRIBUTION LINES AND SYSTEMS

In Appendix III is shown in tabular form the routine work carried on during the year ended October 31, 1933, by the Distribution section of the Electrical Engineering department.

Below is given a brief summary of some of the work undertaken by this section in addition to the engineering activities required in connection with the construction of new lines:

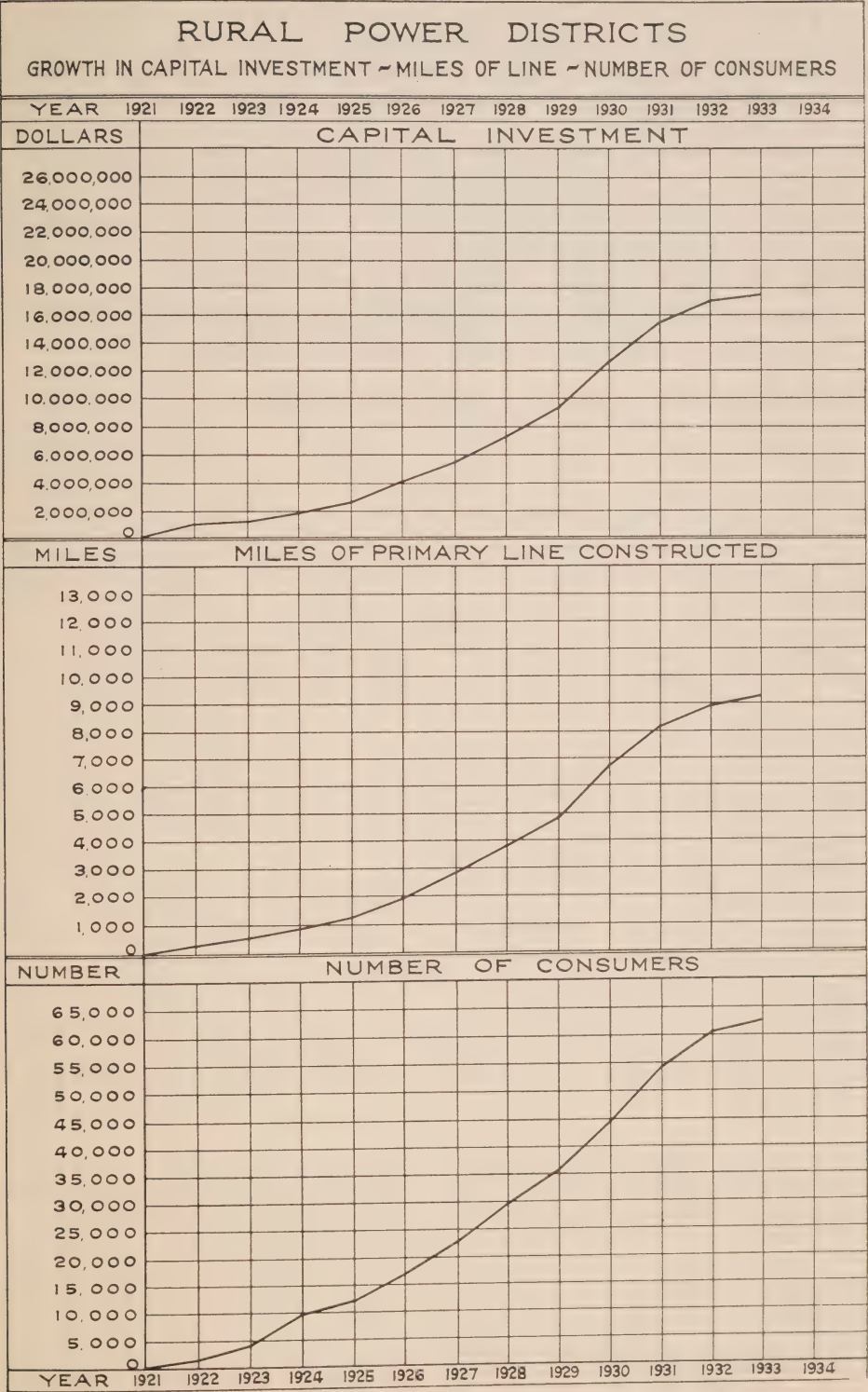
It is now twelve years since the first rural power districts were established. While it is known that wood-pole lines in general have a life greater than this period, in certain soils the decay in wood poles is very rapid. In addition, due to growth in load and distance of transmission, the conductor sizes originally installed become inadequate.

It should be noted also that before the present scheme of rural power districts was originated, there were lines built to serve rural consumers by the Commission and by the municipalities. These lines have practically all been incorporated into the rural power districts. The time has now come when it is advantageous to make a check of the physical condition of these old lines and also the adequacy of the existing conductors to give satisfactory service with the present loads.

During the past year, the poles on some 75 miles of rural and distribution feeder lines have been tested and recommendations made for the replacement of about twenty per cent of these poles. In addition, voltage and load tests were made in six rural power districts and recommendations made for the improvement of conditions in these districts.

One item of improvement has been the installation of automatic booster transformers at four locations. These automatic booster transformers are a development of the past year.

While endeavouring to locate trouble on a privately owned underground cable, a new method for finding faults on underground cable was developed. This method was successfully used where other common methods of cable testing failed owing to the nature of the fault. A current was passed through the cable which was sufficient to warm the lead sheath which is used as a return conductor. By exposing the cable at intervals and feeling the lead sheath with the hand, the point of fault can be located by the lower temperature of the sheath past the fault.



The work of ground connection improvement has been continued during the past year. To date, tests have been made on the resistance of some 23,000 grounds in 160 rural power districts. Specifications for the necessary improvement have been issued in 68 rural power districts in which there are approximately 13,000 ground connections. In the above 160 rural power districts, about 14,000 ground connections now meet the standard of 25 ohms or less.

Weekly tests were made during the year on the resistance of the ground terminals at the four test stations installed near Toronto. It is proposed to carry on these tests during the winter of 1933-34 in order to obtain more complete records of the effect of frost on the ground terminal resistance.

The results of the past years tests are now being analyzed. Upon completion of this analysis, a report of the results obtained will be issued.

SECTION VII

TESTING—RESEARCH—INSPECTION

The Testing and Inspection department has three main divisions—the Testing and Research laboratories, the Approvals laboratory, and the Electrical Inspection division.

The division of the department known as the Testing and Research laboratories comprises the Electrical laboratory, Engineering Materials laboratory, Chemical laboratory, Illumination laboratory, and the Photographic and Blueprint branches. This division supplies a testing, research and materials-inspection service to the other departments of the Commission and to the Municipalities embraced in the Commission's operations. Its staff is composed of engineers, chemists and laboratory assistants who carry out their duties in the laboratories or in the field, as expediency or necessity may dictate. The Approvals laboratory is charged with the duty of administering the rules and regulations of the Commission governing electrical equipment. It is composed of a staff of laboratory engineers and factory inspectors; the former are engaged almost entirely in making laboratory tests and the latter in making inspections in the factories and in the field. The Electrical Inspection division is responsible for the administration of the Rules and Regulations of the Commission governing electrical installations. It is organized in districts covering the entire Province, in each of which one or more inspectors are stationed. The work of this division involves inspection, but this is quite different to the inspection carried on by the Testing and Research laboratories. The latter inspects materials and equipment which the Commission purchases for its own use while the former is charged with the duty of inspecting wiring installations in houses, offices, etc. and industrial installations in order to determine whether or not such installations contain a fire or a shock hazard.

An event of importance in the year's operations was the formation of a Research committee in the Commission. The objects of this committee are: to correlate the investigational work of all departments, to discover and develop research talent in the Commission, to encourage the staff to submit ideas which may be developed for the benefit of the Commission and to guide research work in the Commission. The main Research committee consists of five department heads. Sub-committees are appointed to undertake specific research under the direction of the main committee. Nine projects are now active and encouraging progress has been made. Reference is made below to several of these projects.

TESTING AND RESEARCH LABORATORIES

Statistical and Routine Work

During the year, 40,784 tests of all classes were made in this division of the department. Of this total the Electrical laboratory made 15,734 tests, the Chemical laboratory 1,195, the Structural Materials laboratory 4,097, and the Photometric laboratory 19,758. The Blueprint branch completed 3,778 orders and made 48,171 prints having a total area of 121,679 square feet, and the Photographic branch completed 551 orders covering all phases of dark room, studio and field photography. These statistics cover testing to assure the standard of quality of items such as insulating oil, transmission line hardware, rubber gloves, oils and paints, wire and cable, concrete materials and luminous lighting devices as well as special tests involved in miscellaneous investigations and research.

Although this particular phase of the laboratory activities does not change materially from year to year, the work is continually becoming more diversified and the laboratory is called upon to develop new methods and equipment for routine or special testing. An example of this is the new section recently established for conducting physical and chemical tests on insulated wire conductors and electrical conduit and tubing.

Materials and Equipment Inspection Work

The volume of general inspection work was considerably reduced this year owing to the continued depression in the construction activities of the Commission.

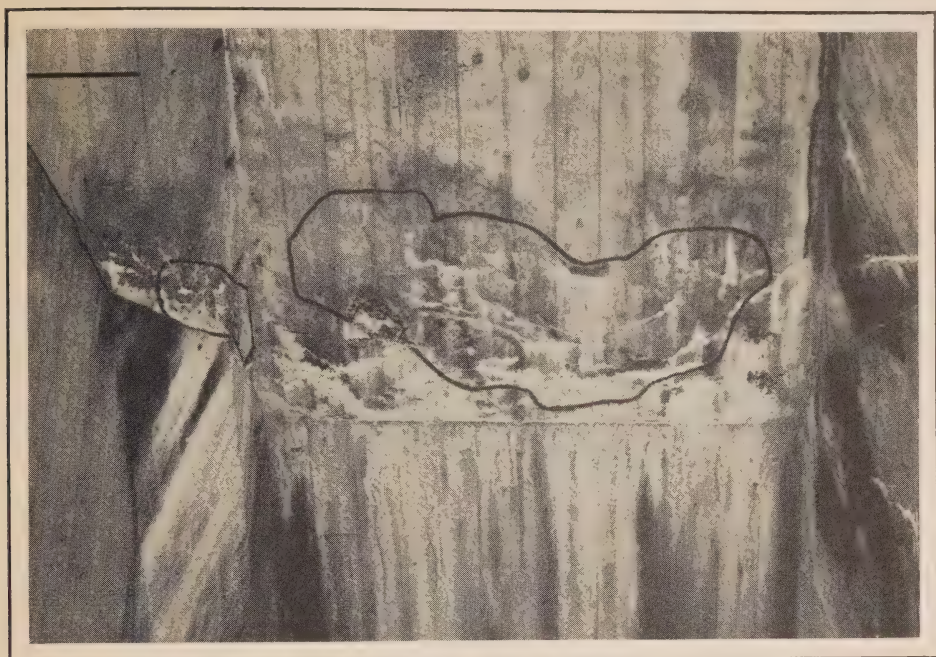
Transmission Line Materials

The routine inspection of transmission line materials was of the same general character as in previous years. All articles such as bolts, cross-arms, pins, splices, connectors, brackets, galvanized steel wire, copper and aluminum conductors and tower-line steel are subjected to rigid inspection either at the laboratory or in the manufacturers' shops. Faulty materials are thus eliminated and hazards to human life as well as service interruptions due to line failures are minimized.

Equipment

The principal items inspected during the period covered by this report were 44 transformers of total capacity 221,805 kv-a and equipment required in the construction of seven electric steam generators having a total capacity of 130,000 kw. During the fabrication of boiler steel for these generators a resident inspector was stationed at the plant, and witness tests were made on the assembled units before final acceptance was granted. Particular attention was also given to the welding of equipment for these installations.

Preliminary work has been done on the inspection of equipment required to complete the Beauharnois contract. This will include the inspection of turbines, generators, governors, circuit breakers and transformers used to supply power to the Commission.



FIELD INSPECTION OF CONCRETE STRUCTURES

Where conditions warrant, affected areas are outlined on the structure and photographed so that the rate of deterioration may be followed annually

Concrete

Inspection of the Commission's concrete structures as a means of detecting incipient deterioration has been continued. These inspections also afford an opportunity for the laboratory staff to observe the durability of various building materials in service and they assist in making recommendations as to the most suitable materials for the Commission's use. Inspections of this character during the year included eight plants in the Georgian Bay district, three plants in the Nipissing district, three plants in the Sudbury district, the canal walls at Queenston, the generating station and main dam at Eugenia, and the two plants on the Nipigon river.

Although no major concrete construction has been carried out during the year, the inspection staff has assisted in making recommendations as to materials and mixtures for repair work and minor jobs, and has also compiled detailed records on the recently completed construction at Chats Falls and Abitibi Canyon.

Research

New Methods and Materials

An important function of the testing and research division is to investigate the merits of new methods or materials and to report upon their usefulness or suitability in the Commission's maintenance and construction work. Items of this nature investigated during the year include cork insulations for preventing condensation on pipes; special devices for transmission line construction; paints for specialized purposes; spray equipment for creosoting poles; roofing materials for powerhouse use; heaters, thermostats and boiler lagging for domestic hot-water service; hardware for low-voltage lines, and insulating cements for electric steam generators.

Investigation of Troubles

The laboratories are frequently requested to investigate troubles which occur in operation and to report upon remedial measures which will prevent their reoccurrence. The following are typical examples of this type of service:

Recommendations were made for treating cooling-pond water to prevent the formation of pipe scale.

A metallurgical examination of a broken tower member revealed that segregation in the steel had caused the failure.

Defective turbine runner bolts at Queenston. Microscopic examination revealed segregation of the metal and the replacement of these bolts was advised.

Defective set screws from bearings at Queenston. Hardness and brittleness had caused failure through impact. Properly heat-treated set screws were recommended.

Galvanizing which had turned black in service. This investigation is still in progress.

Ground wire and dead-end clamps replaced in the field after several years' service were examined to determine any condition which would assist in making these replacements less frequent.

Investigations Leading to Improvements in Methods or Materials

The following problems have received attention during the year:

Comparative tests on bare welding rod and covered rod. In all cases the covered rod was found to be superior.

Investigation of the physical characteristics of aluminum strands in steel-reinforced aluminum conductors, particularly in regard to their bending qualities. The tests showed lack of uniformity in this respect.

Study of a special line fault indicator. Sufficient time has not elapsed to warrant comment upon its merits.

Development of an electrical stress-strain instrument for recording vibration in transmission line conductors. This promises to be a very useful piece of apparatus.

Treatment of concrete walls where moisture presents a serious obstacle to painting. Several treatments have been investigated.

Plastic insulating cement for covering joints in large electrical conductors. A satisfactory cement was found.

Selection of a suitable cement filler for slate panels.

Development of a new method of stubbing wood poles to prevent rotting at the ground line. Assistance was given our engineers at the laboratory and in the field.

Water heating installations for domestic hot-water service. Many special tests were made to investigate the merits of equipment and types of assembly. A large amount of valuable practical data has been obtained and considerable assistance was afforded the manufacturers in developing suitable equipment.



APPARATUS FOR MEASURING THE GLOSS OF PAINTS
Illumination Laboratory

Treatment of Wood Poles

The extent of the Commission's rural transmission lines has warranted a thorough investigation as to the efficiency of various kinds of preservative treatments. Considerable progress has been made in the study of this problem. Annual inspections of the Barrie test bed are being made and the installation of a second test bed near Donlands has been completed. Twenty-four soils from the Niagara district were tested, and over 400 poles from various localities were inspected and recorded for future study. A special device for creosoting poles already in service was investigated, and data pertaining to the history of certain selected pole lines were studied.

Paint

The testing and inspection of paint is one of the most valuable services rendered by the Chemical laboratory. This laboratory not only makes routine tests on paints regularly purchased by the Commission, but is constantly investigating the merits of new products and making recommendations where paints for special purposes are requested. It continues to co-operate in making laboratory tests and field inspections of tower line painting. This service has resulted in a substantial saving in maintenance charges.

Recent developments in paint testing include: microscopic examination of specimens to detect initial failure and photometric measurements for gloss, where this feature is of importance.

Concrete

Concrete problems investigated during the year have included:

Comparative tests on standard silica sands for cement testing. These tests were made in co-operation with the Canadian Engineering Standards Association with a view to adopting a Canadian sand if it proved satisfactory.

Tests on standard aggregates for major concrete investigations. These tests were necessary as the materials formerly used as standard are no longer available. New materials were selected and tests were made to correlate our porportioning data.

The grouting of joints which have given trouble in our existing concrete structures. Cement and asphalt materials were investigated and recommendations were made for the repair work at Nipigon.

The study of problems relating to winter concreting. Placing of concrete during freezing weather presents many specific problems worthy of special consideration. An investigation is now in progress to study the thermal characteristics of concrete and concrete aggregates, the capacity of heating plant necessary for given temperature conditions, the heat generated by chemical reactions in freshly-set concrete and the curing temperatures necessary to provide economical yet adequate curing protection.

The use of crushed limestone or granite as a substitute for natural sands. Proportioning tests for this study are now being made and over 500 cylinders out of a total of 790 have been completed.

Preliminary work done last year on an analysis of the variations in concrete strength tests has been continued. A comprehensive survey of Hydro and foreign field data was made to assist in revising the present concrete strength classifications.

The resurfacing and patching of deteriorated concrete. Field tests have been made using various treatments on sidewalks.

Typical defects which occur due to faulty design or construction have been photographed for the information of our engineers.

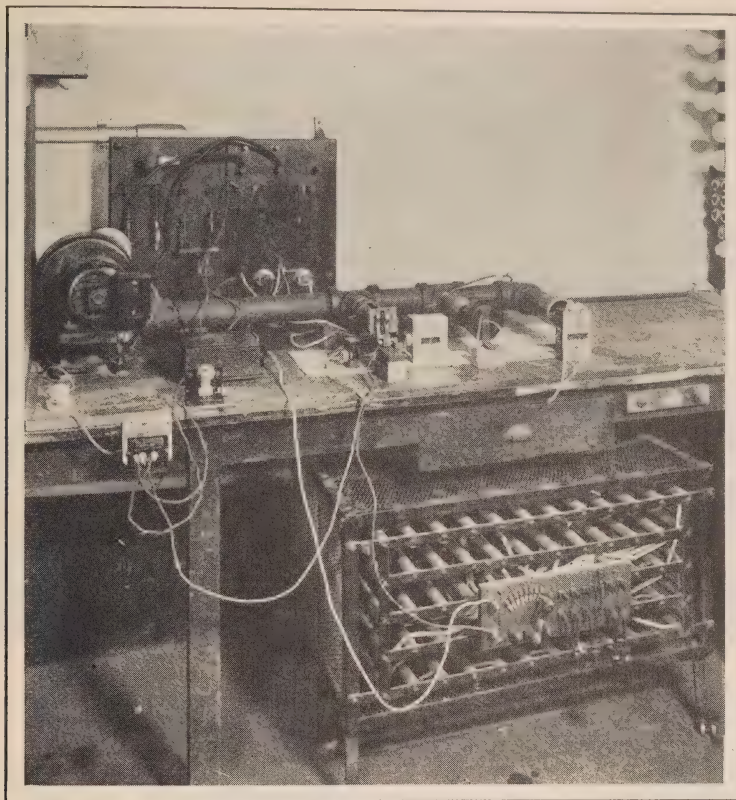
Insulating Oils

A major investigation is now being made to determine the feasibility of reconditioning insulating oil in large quantities. Apparatus of sufficient capacity to reclaim oil on a modified commercial basis has been assembled at the laboratory and the results of tests have been very encouraging. Some mechanical difficulties were experienced, but it is expected that satisfactory field equipment will be developed for restoring deteriorated oil to many additional years of service.

Other studies in respect to insulating oil have been the investigation of operating temperatures as they affect the rate of deterioration, a survey to determine the condition of insulating oils in service and an investigation to establish a more sensitive test for sludge determination.

Radio Interference

The laboratories continue to co-operate with the Dominion Department of Marine in efforts to eliminate radio interference caused by apparatus on electrical



ENDURANCE TEST ON THERMOSTATS
Approvals Laboratory

systems. The chief sources of this trouble are transformers, lightning arresters, fused outlets, insulators and some types of line hardware. Power companies are giving an increasing amount of attention to this matter.

Oscillographic Studies

Special tests on a rather extensive scale have been made using oscillograph elements where the time involved was of short duration. These instruments are particularly flexible and they may be used to record any mechanical quantity which may be duplicated by its electrical equivalent.

Vibration of Transmission Line Conductors

During the year the facilities of the laboratory were involved to a greater extent than heretofore in the study of vibrations in transmission line conductors. Several methods of attacking this problem have been investigated, and special electrical apparatus for measuring the vibrations has been developed. Very satisfactory progress has been made and it is expected that these studies will be continued.



LABORATORY FOR TESTING INSULATED WIRE CONDUCTORS

A low-temperature refrigerator is shown at the left, the tension and recovery machine in the centre foreground and the cord endurance tester in the centre background

Communication

Communication problems are continuous in character but new aspects are constantly presenting themselves, particularly those in respect to carrier wave. The merits of several new systems have been studied.

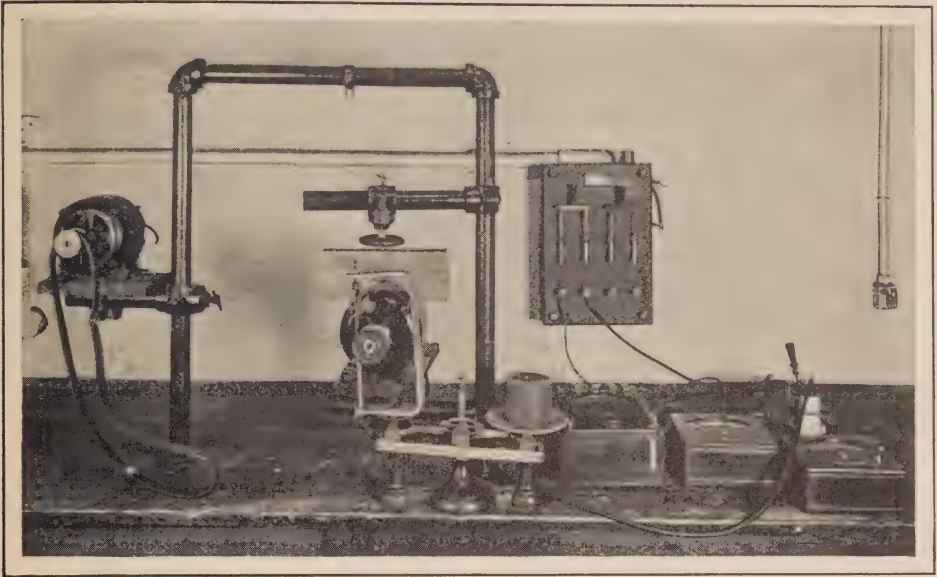
Industrial Research

Assistance has been given in co-operation with the Department of Industrial Research, University of Toronto, in problems relating to resuscitation from electric shock and the prevention of silicosis. A member of the laboratory staff has been assigned to assist in the development and control of electrical apparatus used in the investigation of these important humanitarian problems.

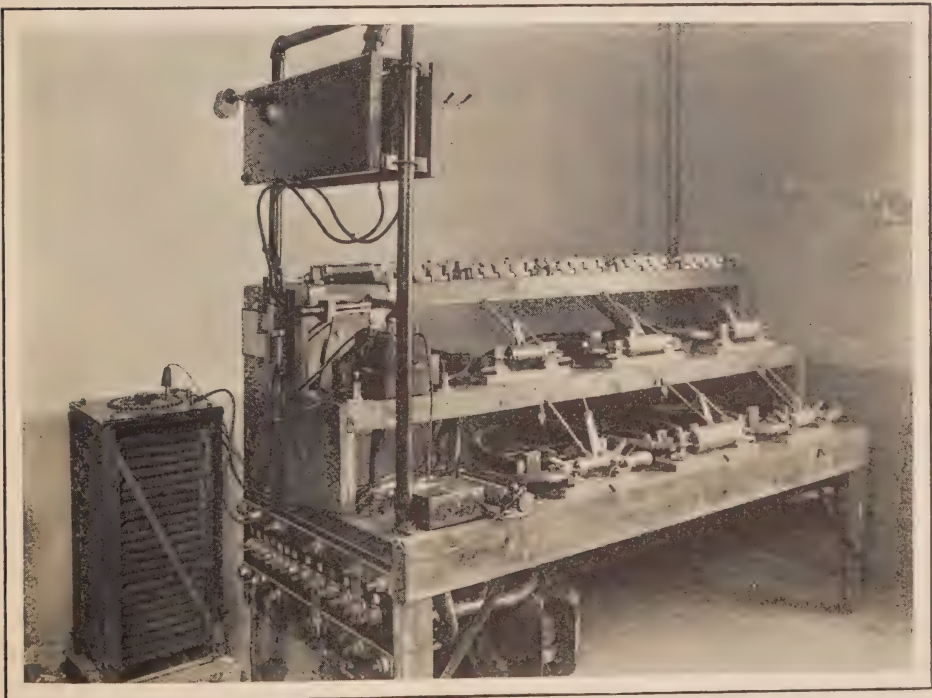
Miscellaneous

New Equipment

The only new equipment added during the year was that required in the establishment of a new section for testing insulated wire conductors and electrical tubing and conduit. As far as possible the equipment already in the laboratory was adapted to the new work, and only such apparatus as could not be assembled in our own shops was purchased. New equipment purchased for this work includes an electric refrigerator capable of attaining a temperature of -22° Fahr. and a Pyrofax gas machine for conducting flame tests. Both of these items may be used for a multiplicity of purposes in general laboratory work.



BRAKE TESTS ON SMALL MOTORS
Approvals Laboratory



TEMPERATURE AND OVERLOAD TESTS ON FUSES
Approvals Laboratory

It was also necessary to purchase or construct for use in the laboratory several machines for physical testing of rubber and other insulating materials. These included a special refrigerator, machines for buffing rubber and stretching wire, impact testing, testing tensile strength of armoured cable and other cable, tightness of armour, abrasion of insulation and endurance of heater cords. It was also necessary to purchase a considerable number of small tools, micrometers, balances, gauges, dies, thermometers, etc. for bench work on these materials.

To take care of life tests on thermostatically-operated controls for refrigerators and water heaters a special set-up was devised so that streams of hot and cold air alternately could be passed over the device at varying rates. Several new jigs were constructed for switch and socket tests, together with a device for applying heat so that heater switches could be operated at normal temperature. A 12-point pyrometer for measuring temperatures by means of thermocouples on automatic irons, toasters, percolators, etc. was adapted for use in the investigation of these appliances.

A reactor coil was designed and constructed to furnish a load for testing switches for the control of single-phase motors. With this coil it is possible to obtain loads equivalent to locked-rotor loads of motors in capacities from 1/6 to 2 h.p. at 115 volts and from 1 to 5 h.p. at 230 volts.

Standardization

The standardization activities of the department have on the whole been maintained at approximately the same level as last year. The preparation of specifications under Part II of the Canadian Electrical Code has been pressed vigorously forward, as noted in the report of the Approvals laboratory. The benefits of this work both to the Approvals laboratory and the manufacturers are continually evident.

As mentioned in the last report, the Approvals laboratory on January 1, 1933, undertook the inspection of wire, cable, conduit and other items formerly under the inspection service of Underwriters' Laboratories. This work is carried on in co-operation with the Canadian manufacturers and the Canadian Engineering Standards Association under the standards of the Canadian Electrical Code.

Lighting Service

This service is provided for the use of the municipalities and their customers. During the year twelve reports were submitted in response to requests for lighting plans.

Lamps

The Photometric laboratory continues to conduct tests on and to make inspections of all Hydro lamps sold throughout the Province. Samples for life tests are selected from each batch of lamps manufactured for the Commission. The tests of these reveal the inherent quality of the lamps and serve to show whether or not they comply with the requirements of the Commission's specifications. The accumulated information also furnishes a basis for improvements in efficiency as experience dictates.

APPROVALS LABORATORY

Statistical

The following table contains a summary of the testing and inspection work of the Approvals laboratory for the past two years:

| | 1932 | 1933 |
|----------------------------------|---------|---------|
| Applications for approval..... | 660 | 743 |
| Special approval tests, etc..... | 178 | 237 |
| Listing..... | 52 | 67 |
| Factory inspection reports..... | 3,039 | 3,328 |
| Labels sold—(16 types)..... | 696,100 | 621,723 |
| Conduit..... | | 446,000 |
| Wire, cord, etc..... | | 334,000 |

Applications for approval:

| | |
|--|-----|
| Motor-driven appliances..... | 222 |
| Electrically-heated appliances..... | 168 |
| Wiring devices..... | 125 |
| Lighting devices..... | 106 |
| Industrial control and transformers..... | 43 |
| Miscellaneous..... | 43 |
| Wire and cable..... | 19 |
| Radio and sound..... | 17 |

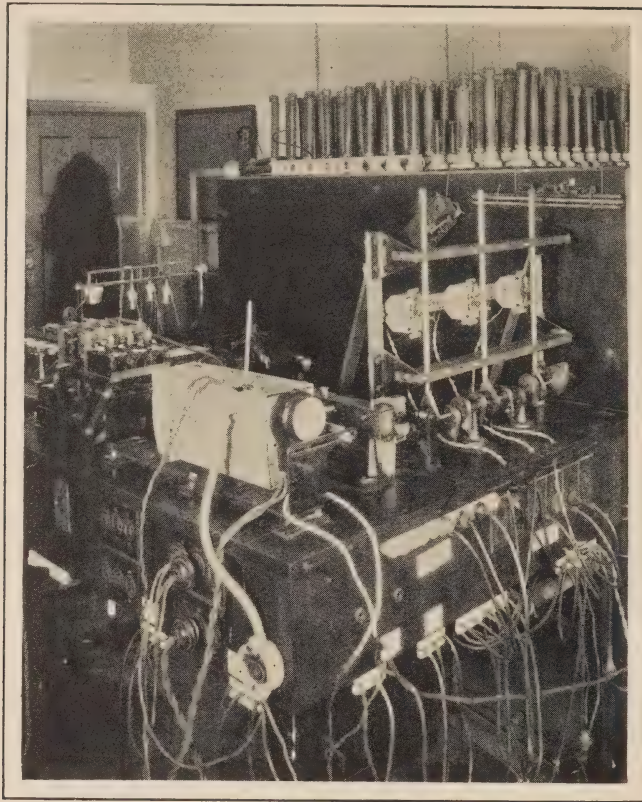
Specifications

Summary of Work

| | |
|--|-----|
| Specifications in process by Canadian Engineering Standards Association, November 1, 1932..... | 15 |
| Specifications printed since November 1, 1932..... | 5 |
| Specifications advanced to final C.E.S.A. form..... | 4 |
| Specifications begun during year..... | 10 |
| (Some advanced to C.E.S.A. draft form and others still in laboratory draft.) | |
| Meetings of C.E.S.A. Specification Panel attended..... | 15 |
| Average attendance of laboratory engineers..... | 3.5 |
| Other meetings attended relating to Approvals work..... | 3 |

One engineer is devoting his whole time to specifications. Two others are giving part time and several others are consulted as required in order to insure that all requirements are properly covered by any draft.

In addition to this work some standardization work has been done in connection with the marking of plug fuses and of mercury contact switches. Several bulletins were also issued referring to appliance plugs, use of flexible cords, cartridge enclosed fuses, and insulated wires and cables. By arrangement with Canadian Engineering Standards Association these bulletins were circulated by that association to manufacturers and others concerned.



ENDURANCE TEST ON THREE-HEAT RANGE SWITCHES

This test is being made at constant temperature of 100 deg. C.
Approvals Laboratory

The Safety Code for elevator equipment proposed by the Canadian Engineering Standards Association was reviewed and an appendix covering electrical features for inclusion in this code was compiled.

Other specifications received through the Canadian Engineering Standards Association from the British Standards Institution and the Australian Standardization Association have also been reviewed and comments forwarded.

Label Sales

Commenting on the summary of labels sold, as compared with the previous year, there is a drop of approximately 75,000 or about 11 per cent. This loss of revenue was more than made up by the sale of labels for conduit, fixtures, insulated wire and cord, heater cord, armoured and non-metallic sheathed cable, flexible steel conduit and non-metallic tubing. The continued general depression in the building trades however kept the demand for this label service to a low point as it did not come up to the estimate.

To handle the inspection required by an increasing number of label users in the district surrounding Montreal, it was found necessary to open a branch

office in Montreal where laboratory specifications and other information could be available as well as labels. This arrangement has worked out very well.

In the Western Provinces, the business depression has probably been more acutely felt by manufacturers with the result that the falling off in demand for label service has been more pronounced than in Ontario and Quebec.

A revised list of approved electrical equipment will be issued early in 1934.

Field Sales Control

During the year twenty-two offenders were brought to Police Court for breach of Rule 103 and many more were served, or about to be served, with summons but further action was dropped when compliance with the Regulations was forthcoming. Of the above number six were fined.

An attempt was made by one concern to bring in substandard Christmas tree sets and incandescent lamps. Much time was taken up and several court cases resulted both in Toronto and surrounding towns before the further distribution of these sets was checked. The use of assumed names by the offenders made it difficult to cope with this class of offender.

ELECTRICAL INSPECTION DEPARTMENT

The Electrical Inspection department of the Hydro-Electric Power Commission has now been in operation for a period of eighteen years. It was formed, in the latter part of 1915, to supervise the carrying out of the Rules and Regulations governing electrical installations in all municipalities of the Province of Ontario. It functions for the Provincial Government under the direction of the Hydro-Electric Power Commission.

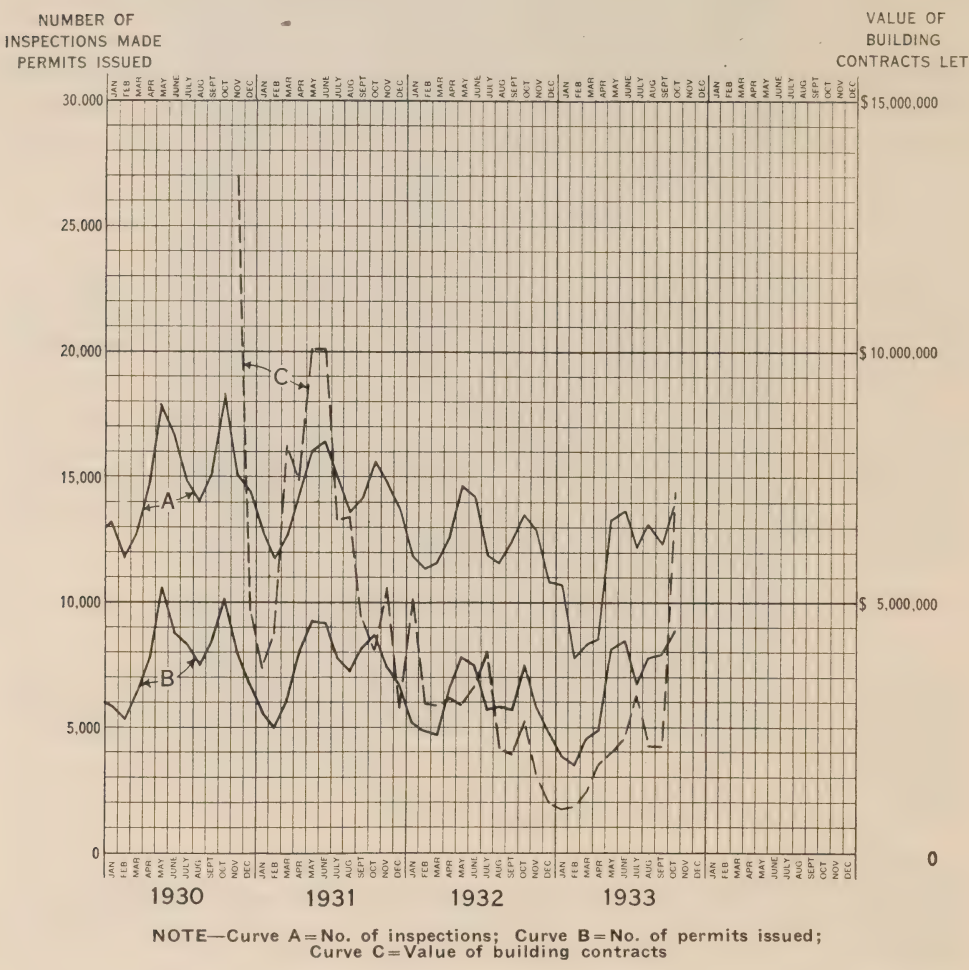
While the work of the Department varies but little from year to year, the volume handled is governed, to a large extent, by the amount of new building construction carried on throughout the Province. The value of this has shown a steady decline from \$116,203,200 in 1930 to \$26,292,000 in 1933.

There are reasons for believing that the bottom of the depression has been reached, so far as building construction statistics, covering a period of years, would indicate. The number of paid applications, for inspection, received in 1933, amounted to 75,054, a decrease of 1,117 or 1.47 per cent from 1932.

The small decrease in the number of permits issued does not however accord with the building construction situation, outlined above. The number of permits was maintained at a higher level as a result of the Commission's water heater campaign. If this field of work had not been created, the number of permits issued would have fallen off by approximately 15 per cent.

In all, 137,760 inspections were made, a decrease of 16,135 or 12 per cent from 1932.

The accompanying graph shows the monthly trend of permits issued, inspections made and the cost of building construction in Ontario for the period 1930 to 1933.



Fires

Of the numerous fires reported to the Department as having been caused by defective electric wiring, investigation has definitely placed the causes of 31 as due to defective wiring. This number is an increase of 11 over last year. The fires are classified, as to origin, below:

| | | | |
|--|---|------------------------------|----|
| Armoured cable..... | 4 | Flexible cord..... | 6 |
| Wires overfused..... | 5 | Service conduit blowout..... | 1 |
| Heaters (improperly used)..... | 3 | Iron left on..... | 1 |
| Defective joints..... | 2 | Motors..... | 3 |
| Short circuits..... | 5 | | |
| Lamp in barn, covered with chaff, as a result of threshing operations | 1 | Total..... | 31 |

Electrocution

During each year, a number of instances of electrocution are reported, in the newspapers, throughout the Province. Most of these are brought about by persons coming into contact with high-voltage wiring and equipment which is not under the jurisdiction of the Inspection Department.

Four fatal accidents occurred, within the past fiscal year, through equipment under the jurisdiction of this Department. The individual causes are cited below:

Man electrocuted by coming into contact with an amusement device, on which an intermittent ground existed. Voltage of circuit, 110.

Man electrocuted while making alterations to a heater connection; neglected to pull switch. Voltage of circuit, 550.

Man electrocuted while working with an electric jack which was not grounded. Voltage of circuit, 550.

Man electrocuted while painting pipe framework around switching equipment. Voltage of circuit, 2,200.

Two cows and one horse were also electrocuted. High resistance grounds were the cause in each instance.

Infractions of Regulations

Forty-two persons and companies were prosecuted for various infractions of the Rules and Regulations. Fines amounting to \$480 and a number of suspended sentences were imposed.

The routine work of inspecting the older and more obsolete type of installation has been carried on as in previous years. Owing to present conditions, more time and effort is required to influence the consumer to have the installation brought up to a reasonable standard of safety than was formerly the case. The Department has recognized the hardships which might be imposed, in this connection, and has only taken action where life and fire hazard exist. In all, 2,603 installations were brought up to a reasonable safe condition at an approximate cost of \$138,848.

Artificial Grounds

This year, 2,222 artificial grounds were tested as compared with 3,824 last year. The readings obtained give the Department a knowledge of the ground protection on each installation before the supply lines are connected. This information, along with other data, is turned over to the Engineering department, for study, with a view to improving upon the types of artificial grounds now in use.

SECTION VIII

ELECTRIC RAILWAYS

THE SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY COMPANY

Operation

In 1933 the gross earnings were \$492,795 as compared with \$568,452 in 1932, a decrease of \$75,657. The 1933 operating expenses were \$498,134 as compared with \$564,692 in 1932, a decrease of \$66,558. There was an operating deficit of \$5,340 as compared with an operating net of \$3,759 in 1932.

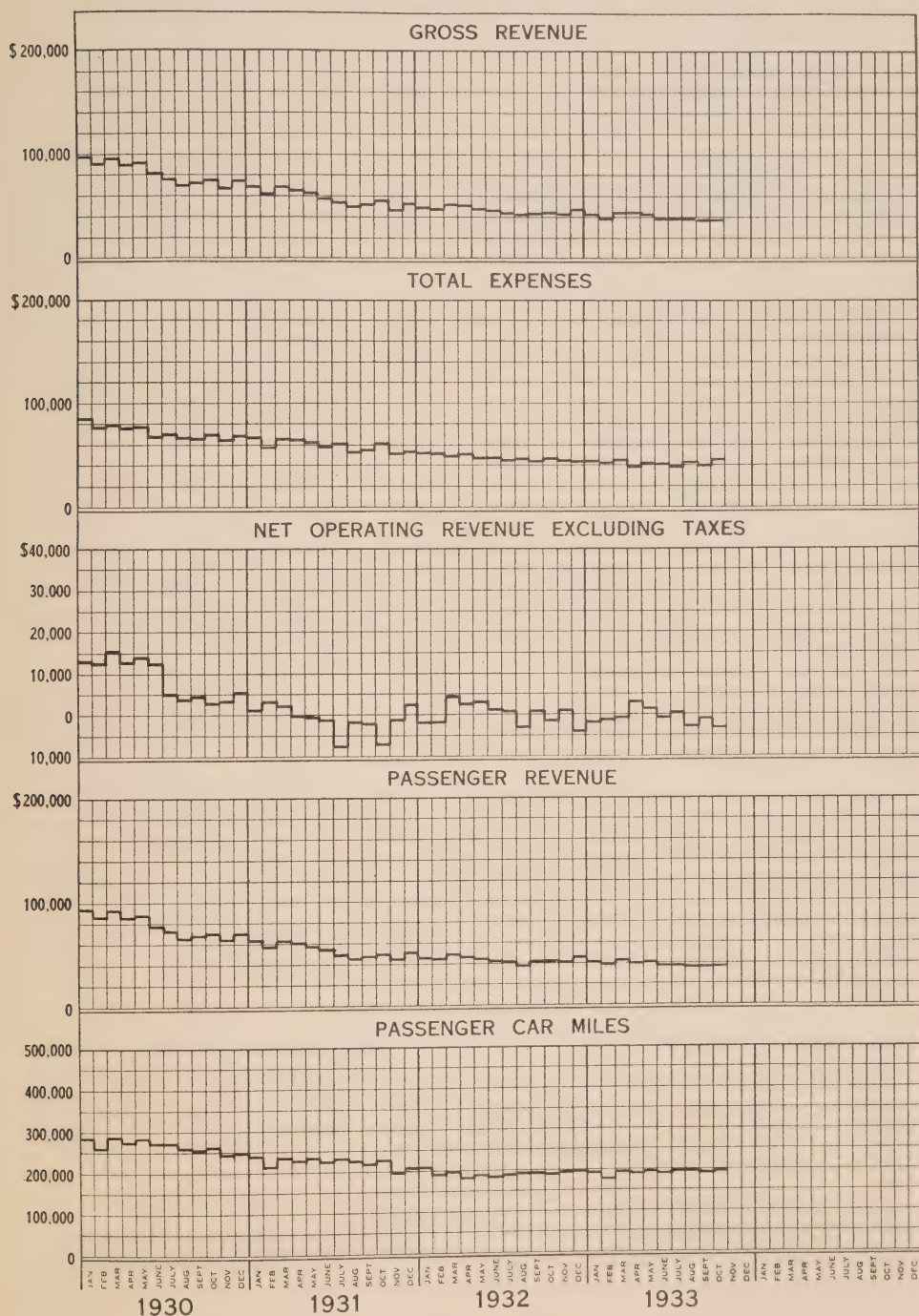
The adjustment of the 1932 power bill was made too late to be included in the 1932 report and the amount—\$4,872 has been credited to 1933 operating expenses. Similarly, the 1933 adjustment has not been made at this writing.

Industrial conditions in the Border Cities show little or no change for the better and the earnings of the Railway decreased 13 per cent while operating expenses have been reduced 11.7 per cent.

The accompanying chart indicates the record of the Railway for the past five years.

The mileage operated by the various types of cars during the year is as follows:—double truck, air brake, two-man cars 2,823 car-miles; interurban cars, 438,297 car-miles; single truck safety cars, 569,528 car-miles; double truck safety cars, 1,311,334 car-miles; express cars 10,944 car-miles; service cars, 12,268 car-miles; total 2,345,194 car-miles.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY OPERATING STATISTICS



SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY**Operating Statistics, 1933**

Route-miles:—

| | |
|-----------------------------|-------|
| City..... | 24.81 |
| Amherstburg interurban..... | 13.54 |
| Tecumseh interurban..... | 5.34 |

| | |
|------------------------|-------|
| Total route-miles..... | 43.69 |
|------------------------|-------|

| | |
|--|-----------|
| Passenger and freight car-miles operated..... | 2,332,926 |
| Passenger and freight car-hours operated..... | 237,426 |
| Passengers carried..... | 8,576,698 |
| Percentage of transfer passengers to revenue passengers..... | 21.15 % |
| Passenger cars operated..... | 58 |
| Passengers carried per route-mile..... | 196,308 |
| Passengers carried per car-mile..... | 3.7 |
| Passengers carried per car-hour..... | 36.4 |
| Average mileage per car operated..... | 40,031 |
| Average passengers per car operated..... | 147,874 |
| Freight tonnage carried..... | 1,616 |

Accidents 315, of which 214 were automobile accidents.

Accidents per 100,000 car-miles: 12.698.

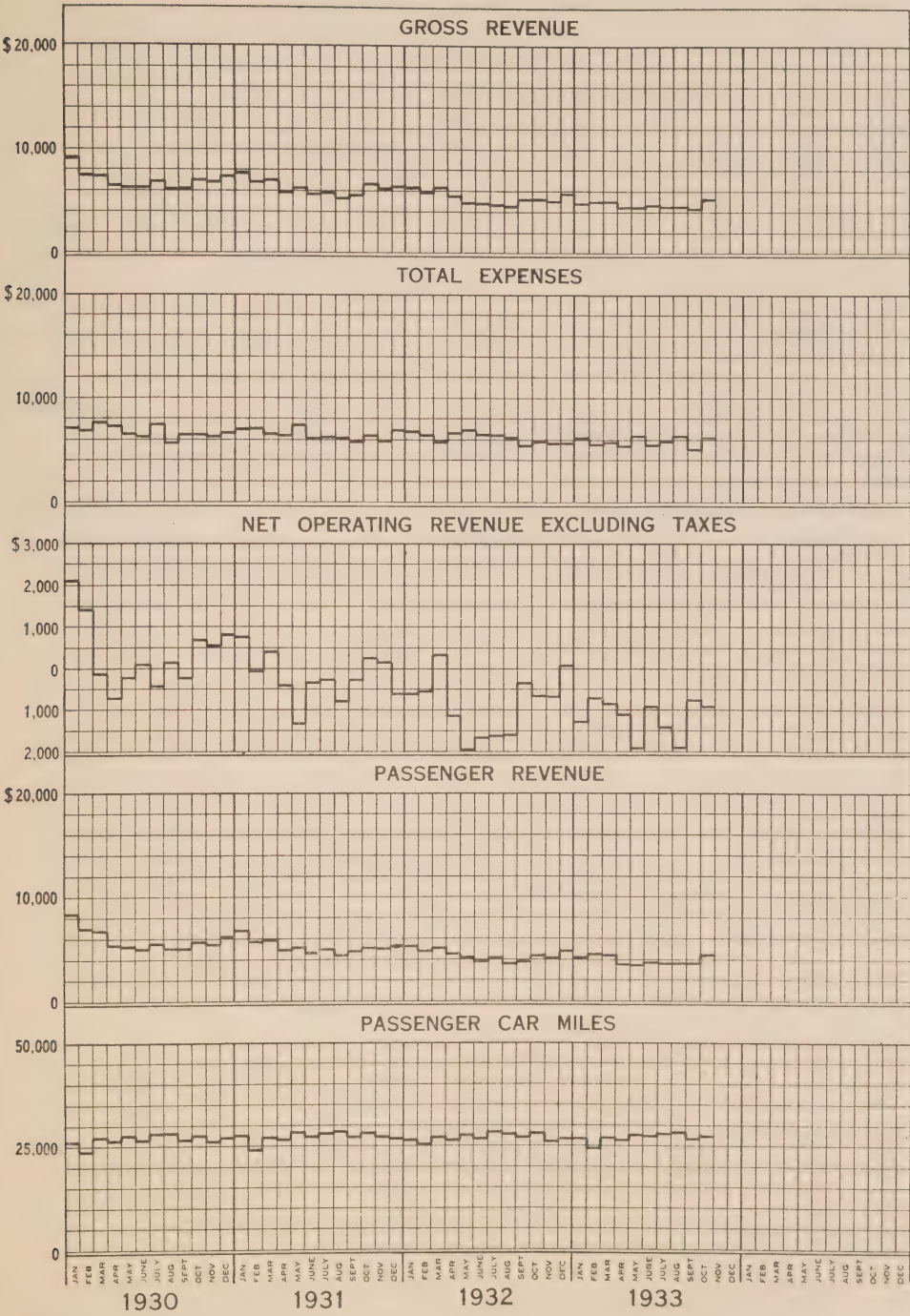
GUELPH DISTRICT RAILWAY**Operation**

The operating revenue for the Guelph District Railways for 1933 was \$57,455 as compared with \$65,595 in 1932. The operating expenses for the year 1933 were \$69,806 as compared with \$73,380 in 1932. The net operating shortage was \$12,351, as compared with \$7,784 in 1932. The interest and debenture payments were \$25,468 as compared with \$25,588 in 1932. Sinking Fund requirements were \$3,159 as compared with \$3,159 in 1932. Nothing was set aside for renewals. The deficit for 1933 was \$41,332 as compared with \$36,885 in 1932.

Included in the above deficit is \$8,351, which had been set aside for amortizing the original value of the Railway previous to the transfer of this road to the Hydro-Electric Power Commission; and also an interest charge of \$3,349.

The freight earnings for the year 1933 were \$8,931 as compared with \$10,506. Passenger earnings were \$47,921 in 1933 as compared with \$54,373 in 1932.

GUELPH DISTRICT RAILWAYS—OPERATING STATISTICS



GUELPH DISTRICT RAILWAY

Operating Statistics, 1933

Route-miles:—

| | |
|---|-----------|
| Trolley..... | 6.41 |
| Bus..... | 5.99 |
| Total route-miles..... | 12.40 |
| Track-miles..... | 9.06 |
| Passenger cars operated..... | 7 |
| Buses operated..... | 4 |
| Passenger car-miles operated..... | 221,185 |
| Bus-miles operated..... | 91,419 |
| Freight-locomotive-miles..... | 9,908 |
| Passenger car-hours operated..... | 27,619 |
| Passenger bus-hours operated..... | 13,037 |
| Revenue passengers carried..... | 835,867 |
| Transfer passengers carried..... | 226,996 |
| Free passengers carried..... | 3,402 |
| Total passengers carried..... | 1,066,285 |
| Percentage of transfer passengers to revenue passengers..... | 27.1 |
| Freight motor cars operated..... | 1 |
| Freight motor-hours operated..... | 2,141 |
| Total passenger freight and service car-miles operated..... | 332,536 |
| Accidents:—17 of which 11 were due to automobiles. | |
| Accidents per 100,000 car-miles—1927, 8.24; 1928, 4.25; 1929, 12.3; 1930, 7.2; 1931, 4.45; 1932, 5.95; 1933, 5.1. | |

SECTION IX

FINANCIAL STATEMENTS

Relating to Properties Operated by The Hydro-Electric Power Commission on Behalf of Municipalities

The following explanatory statement is submitted with a view to affording a satisfactory understanding of the manner in which the various operations of the Hydro-Electric Power Commission of Ontario are conducted and financed and thus contributing to the interest of those concerned either directly or indirectly with the work of the Commission.

The "Hydro" electrical undertaking of Ontario is an organization of a large number of partner municipalities co-ordinated into groups or systems for securing common action with respect to power supplies, through the medium of the Hydro-Electric Power Commission which under the Power Commission Act functions as their trustee. The undertaking as a whole, embracing all the operations from the provision of the power down to its final delivery to the ultimate consumer, involves two distinct phases of operations.

The FIRST phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by the Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in this section of the Annual Report.

The SECOND phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts, which usually embrace within their confines portions of more than one township, the Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts.* The financial statements relating to the rural power districts are also presented in this section of the report. In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility com-

*For further information respecting rural power districts consult latter portion of Section III in this Report.

missions under the general supervision of the Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to such individual electrical utilities are presented in Section X of this report.

Having the foregoing distinctions respecting wholesale and retail electrical service in mind, the following brief notes will assist to an understanding of the economic structure and of the general plan of administration of the undertaking, and will make clearer the financial tables herein presented. The basic principle governing the financial operations of the undertaking is that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The entire annual expenses—including appropriations for reserves—incurrd by the Commission in the supply of power at wholesale are thus paid out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power received has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such direct expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, and for obsolescence and contingencies. The first-mentioned reserve is for the purpose of liquidating the capital liabilities; consequently, as capital obligations are discharged the plant will progressively be freed from interest expense. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

The ultimate source of all revenue to meet costs—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges, as they affect individual municipalities are shown in the tables for the respective systems. For the purpose of financial statement, the various systems are treated as separate units and for each of them similar statements and details are presented. Many of the pages which follow, therefore, simply repeat for each system data similar to those which are presented for the first system dealt with in each division of the report, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipal "Hydro" utility.

The accounts of the Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and are also duly audited.

Tabular Data

The first tabular statement given in Section IX is a general balance sheet exhibiting the assets and liabilities of the undertaking and relates to the properties constructed or otherwise acquired and being operated by the Commission as trustee for the municipalities of the various systems.

The general balance sheet is followed by groups of statements relating in turn to each system of the Commission. These statements, for each system, are similar in character and include:—

Operating Account for the year, showing, for the system as a whole, the various items of operating expense and fixed charges entering into the cost of power as defined by the Power Commission Act, and the revenues collected by the Commission from the partner municipalities and other consumers.

Cost of Power statement, which shows the apportionment to each municipality or rural power district of the items of cost summarized in the Operating Account, as well as the apportionment of the capital expenditures listed in the balance sheet and the amount of power taken by each municipality. It should be appreciated that the cost of power given in this table is the wholesale cost,—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility or rural power district. In the case of rural power districts, the costs of power for the respective districts appear also in the "Rural Operating" statement, immediately following, as "Cost of power delivered"; in the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "Power purchased."*

Rural Operating statement, which shows for each rural power district the various items of cost, and the revenues received, in connection with the distribution of electrical energy to consumers.

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service to that municipality. These credits and charges are taken up and given effect to in the municipal accounts of "Hydro" utilities before the operating records of each year are closed.

*Consult footnote on previous page.

Reserve for Renewals, which shows the provisions made for, the expenditures from, and the balances to the credit of, this fund.

Reserve for Obsolescence and Contingencies, which gives similar information with respect to this reserve.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality and rural power district as part of the cost of power together with its proportionate share of other sinking funds.

Sinking Fund Reserve, which summarizes the provisions made with respect to this fund.

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserve to protect generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts," relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

To illustrate further the foregoing explanatory comments, there is presented herewith a typical operating statement of an Ontario municipal electrical utility, covering its financial operations, both as a partner in a system of the Hydro-Electric Power Commission, and as administrator of its own local distribution system.

PERTH "HYDRO" UTILITY

A Typical Operating Statement for the year 1933

REVENUE

Collected from Perth "Hydro" customers for year..... \$61,537.70

EXPENSES

A.—Incurred by the Hydro-Electric Power Commission on behalf of the municipality of Perth in connection with the supplying of its electrical energy. These data show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its wholesale power. See "Cost of Power" statement, page 238, for the Town of Perth as follows:

| | |
|--|------------|
| Cost (proportionate share) of power purchased for Eastern Ontario system, from generating plants not owned by Commission..... | \$8,855.40 |
| Cost (proportionate share) of operation and maintenance expense of Eastern Ontario generating plants, transformer stations and transmission lines together with administrative expenses..... | 7,227.15 |
| Interest, including exchange, on Perth's proportionate share of capital investment in generating plants, transformer stations and transmission lines..... | 10,822.48 |

| | |
|--|-------------|
| Renewal reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines. | \$2,968.15 |
| Obsolescence and contingencies reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines. | 873.66 |
| Sinking Fund (proportionate share) provided in respect of generating plants, transformer stations and transmission lines. | 2,269.89 |
| Cost in excess of revenue from power sold to private companies* | 5,005.70 |
| | <hr/> |
| | \$38,022.43 |

B.—Incurred by the municipality of Perth through its utility commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

| | |
|---|-------------|
| Operation, maintenance and administrative expenses. . . . | \$8,648.87 |
| Interest on debenture debt, etc. | 2,880.45 |
| Sinking fund and principal payments on debentures. | 1,819.09 |
| Depreciation and other reserves. | 3,224.00 |
| | <hr/> |
| | \$16,572.41 |

TOTAL EXPENSES

Charged against revenue from customers of the Perth System. . \$54,594.84

NET SURPLUS FOR THE YEAR. \$6,942.86

The municipality of Perth, situated in the south eastern part of the Province, was connected to the Eastern Ontario system in February, 1919. With the close of the fourteenth year of operation, this utility's total assets are \$220,342.86, liabilities \$57,695.17, and reserves and surplus, \$162,647.69, as shown in the municipalities' balance sheets, in Section X, Statement "A."

By reference to this municipality's balance sheet, it will be noted that the Perth "Hydro" utility has created a sinking fund equity amounting to \$34,151.00 in the Hydro-Electric Power Commission system.

By reference to Statement "D" in Section X of this report it will be seen that under the low rate schedules prevailing throughout the Province, the rates in force in Perth have resulted in *average costs*† to the various classes of service as follows: Domestic service (with an average monthly consumption per consumer of 93 kilowatt-hours) 2.2 cents per kilowatt-hour; commercial light service 2.8 cents per kilowatt-hour. The actual *rates in force* are presented in Statement "E" and particulars of street lighting service are given in Statement "C."

*This represents the difference between the revenue received from private companies and other power customers operating under flat-rate contracts, and the result obtained by "costing" these loads on exactly the same basis as that used in determining "costs" in respect of municipal contracts, including sinking fund and other reserves.

†If proper differentiation be made by those undertaking research, between the very different entities of rates on the one hand and the derived quantities of average costs or revenues on the other, a great deal of confusion and misrepresentation will be avoided. Consult introduction to Statement "D" of Section X.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

Niagara System:

Generating Plants:

| | |
|---|-----------------|
| Queenston-Chippawa development..... | \$76,891,330.14 |
| Ontario Power development, including water rights.... | 22,035,794.89 |
| Toronto Power development, including water rights.... | 11,522,054.50 |
| Chats Falls power development..... | 6,167,756.08 |
| DeCew power development and steam plant, including water rights..... | 11,824,138.13 |

Transmission Lines:

| | |
|--------------------------------------|-------------------------|
| Right-of-way..... | 8,428,947.36 |
| Steel-tower and wood-pole lines..... | 25,784,995.12 |
| Transformer Stations..... | 35,257,130.56 |
| | <u>\$197,912,146.78</u> |

Distribution Lines:

| | |
|---------------------------------|-------------------------|
| Rural power districts..... | \$6,440,310.91 |
| Rural lines..... | 35,527.44 |
| Local distribution systems..... | 422,618.53 |
| | <u>6,898,456.88</u> |
| | <u>\$204,810,603.66</u> |

Share capital of Hamilton Street Railway Company carried
at a value of.....

\$3,000,000.00

Cash advances to Hamilton Street Railway to cover capital
expenditures and for working capital.....

250,837.27

3,250,837.27

Radial Railways in vicinity of Hamilton in process of liquidation—balance
expected to be recovered.....

81,986.56

Balances owing under agreements covering
sales of certain properties, plants and
equipment:

| | |
|------------------------------------|-------------------|
| By City of Hamilton..... | \$1,812,500.00 |
| By City of Brantford..... | 116,000.00 |
| By Canada Coach Lines, Limited.... | \$525,000.00 |
| Accrued interest thereon..... | 8,845.82 |
| | <u>533,845.82</u> |

Shares (1,000) of First Preferred stock of Canada Coach
Lines, Limited—at par.....

100,000.00

2,562,345.82

Thunder Bay System:

| | |
|--------------------------------|------------------------|
| Nipigon generating plants..... | \$15,688,226.21 |
| Transmission lines..... | 1,913,736.96 |
| Transformer stations..... | 974,870.00 |
| | <u>\$18,576,833.17</u> |

Distribution lines:

| | |
|----------------------------|----------------------|
| Rural power districts..... | 53,939.01 |
| | <u>18,630,772.18</u> |

Carried forward.....\$229,336,545.49

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

TAKINGS

LIABILITIES

To Province of Ontario:

| | | |
|--|------------------|------------------|
| Cash advances for Niagara and other systems..... | \$204,973,166.14 | |
| Less: Repayment under provisions of Power Commission Act | 17,008,616.73 | |
| | | \$187,964,549.41 |

| | | |
|---|--|-----------|
| Grant funds in the hands of the Commission to apply against rural power districts in course of construction or extension..... | | 40,114.69 |
|---|--|-----------|

| | | |
|---|-------------|--|
| Amount received from the Province for the purpose of making loans under provisions of the Rural Power District Loans Act..... | \$85,000.00 | |
|---|-------------|--|

Note: Loans made to October 31, 1933, \$84,912.64.

| | | |
|---|-----------|-----------|
| Less: Principal instalments on such loans collected and repaid to the Province..... | 19,395.86 | |
| | | 65,604.14 |

Debentures issued by the Commission and guaranteed by the Province of Ontario:

| | | |
|---|----------------|----------------|
| Four per cent debentures, due 1957, issued in purchase of Ontario Power Company of Niagara Falls..... | \$8,000,000.00 | |
| Interest accrued thereon..... | 80,000.00 | |
| | | \$8,080,000.00 |

| | | |
|---|----------------|--------------|
| Six per cent debentures, due 1941, issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls..... | \$3,200,000.00 | |
| Interest accrued thereon..... | 67,856.16 | |
| | | 3,267,856.16 |

| | | |
|---|--------------|------------|
| Six per cent debentures, due 1940, issued in purchase of the Toronto Power Company Limited..... | \$413,200.00 | |
| Interest accrued thereon..... | 10,330.00 | |
| | | 423,530.00 |

| | | |
|--|--------------|------------|
| Six per cent. debentures, due 1940, issued in purchase of certain electrical power equipment of the Toronto and York Radial Railway..... | \$205,800.00 | |
| Interest accrued thereon..... | 5,145.00 | |
| | | 210,945.00 |

| | | |
|--|----------------|--------------|
| Five per cent debentures, due 1939, issued for the purpose of retiring the 1924 issue of the Toronto Power Company Limited.... | \$4,000,000.00 | |
| Interest accrued thereon..... | 75,000.00 | |
| | | 4,075,000.00 |

| | | |
|---|--------------|------------|
| Four per cent debentures, due 1958, issued in purchase of distribution lines of Essex County..... | \$200,000.00 | |
| Interest accrued thereon..... | 3,333.34 | |
| | | 203,333.34 |

\$16,260,664.50

Carried forward.....\$188,070,268.24

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

| | | | |
|---|-----------------------|------------------|--|
| Brought forward..... | | \$229,336,545.49 | |
| Georgian Bay System: | | | |
| Generating plants..... | \$3,771,083.28 | | |
| Transmission lines..... | 2,602,025.41 | | |
| Transformer stations..... | 1,159,113.39 | | |
| | <u>\$7,532,222.08</u> | | |
| Distribution lines: | | | |
| Rural power districts..... | \$780,691.26 | | |
| Rural lines..... | 2,807.43 | | |
| Local distribution systems..... | 78,924.48 | | |
| | <u>862,423.17</u> | | |
| | | 8,394,645.25 | |
| Eastern Ontario System: | | | |
| Generating plants, including water rights..... | \$10,114,637.74 | | |
| Surveys and engineering re power sites: | | | |
| On St. Lawrence river..... | \$734,873.31 | | |
| On Ottawa river..... | 94,135.20 | | |
| | <u>829,008.51</u> | | |
| Properties purchased for power sites..... | 52,533.33 | | |
| Transmission lines..... | 3,926,845.19 | | |
| Transformer stations..... | 2,552,680.41 | | |
| Rural power districts..... | \$1,619,158.39 | | |
| Local distribution systems: | | | |
| Electric..... | 108,573.01 | | |
| Gas..... | 26,534.67 | | |
| Rural lines..... | 90,302.26 | | |
| Pulp Mill..... | 52,559.93 | | |
| | <u>1,897,128.26</u> | | |
| | | 19,372,833.44 | |
| Northern Ontario Properties—comprising the Nipissing, Wahnapiatae, Abitibi-Sudbury and Patricia (Ear Falls) Districts as follows: | | | |
| Nipissing District: | | | |
| Generating plant..... | \$1,102,909.40 | | |
| Transmission lines..... | 172,660.81 | | |
| Transformer stations..... | 15,814.00 | | |
| | <u>\$1,291,384.21</u> | | |
| Rural power districts..... | \$19,254.45 | | |
| Local distribution systems..... | 361,065.83 | | |
| | <u>380,320.28</u> | | |
| | | 1,671,704.49 | |
| Wahnapiatae District: | | | |
| Properties, buildings, plant, equipment and water rights on Wahnapiatae river..... | \$2,516,994.40 | | |
| Transmission lines..... | 139,015.15 | | |
| Transformer stations..... | 43,804.00 | | |
| | <u>\$2,699,813.55</u> | | |
| Local distribution systems..... | 6,630.43 | | |
| | <u>2,706,443.98</u> | | |
| Carried forward..... | | \$261,482,172.65 | |

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

TAKINGS—Continued

LIABILITIES

| | | |
|--|-----------------|------------------|
| Brought forward | \$16,260,664.50 | \$188,070,268.24 |
| Debentures issued by the Commission and guaranteed by the Province of Ontario—Continued. | | |
| Four per cent debentures, due 1958, issued in purchase of distribution lines in vicinity of Thorold | \$100,000.00 | |
| Interest accrued thereon | 1,666.67 | |
| | | 101,666.67 |
| Four and three-quarter per cent debentures, due 1970, issued in part purchase of Undertakings and Companies from Dominion Power and Transmission Company, Limited as at January 1, 1930 | \$13,000,000.00 | |
| Interest accrued thereon | 206,397.00 | |
| | | 13,206,397.00 |
| Five per cent Debentures, due 1935, issued in part purchase of Undertakings and Companies from Dominion Power and Transmission Company, Limited, as at January 1, 1930 | \$8,000,000.00 | |
| Interest accrued thereon | 133,698.00 | |
| | | 8,133,698.00 |
| | | 37,702,426.17 |
| Four and one-half per cent debentures, due 1938, issued to retire Guaranteed Debenture Stock and other debentures | \$6,000,000.00 | |
| Interest accrued thereon | 67,500.00 | |
| | | \$6,067,500.00 |
| Twenty-year debentures maturing in 1952 and bearing interest at the rates of 3½% in first five years, 4% in next five years, 5% in last ten years, issued in purchase of bonds of Ontario Power Service Corporation Limited, which bonds were in turn surrendered in the purchase of the properties and assets of that Company | \$17,626,950.00 | |
| Interest accrued thereon | 50,707.66 | |
| | | 17,677,657.66 |
| | | 23,745,157.66 |
| Bonds and debenture stock assumed by the Commission and guaranteed by the Province of Ontario: | | |
| First mortgage 5 % gold bonds, due 1943, of the Ontario Power Company of Niagara Falls: | | |
| Amount assumed at date of purchase of Company by Commission, August 1, 1917 | \$9,834,000.00 | |
| Less: Retired by the Commission | 2,042,000.00 | |
| | \$7,792,000.00 | |
| Interest accrued thereon | 97,400.00 | |
| | | \$7,889,400.00 |
| First mortgage 5 % gold bonds, due 1945, of the Ontario Transmission Company, Limited: | | |
| Amount assumed at date of purchase of Company by Commission, August 1, 1917 | \$1,772,000.00 | |
| Less: Retired by the Commission | 497,000.00 | |
| | \$1,275,000.00 | |
| Interest thereon payable November 1, 1933 | 31,875.00 | |
| | | 1,306,875.00 |
| | | \$9,196,275.00 |
| Carried forward | | \$249,517,852.07 |

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

Brought forward\$261,482,172.65

Northern Ontario Properties—*Continued.*

Abitibi-Sudbury District:

| | | |
|---|-----------------|---------------|
| Abitibi Canyon generating plant (uncompleted) and adjacent lines..... | \$16,729,782.45 | |
| Hunta-Copper Cliff line..... | 2,197,690.87 | |
| Meter station at Copper Cliff..... | 2,290.63 | |
| | | 18,929,763.95 |

Note.—The assets of Ontario Power Service Corporation Limited acquired by the Commission—on behalf of the Province—consisted of:

- (1) The uncompleted Abitibi Canyon Development and Lines upon which \$15,146,607.31 has been expended;
- (2) \$2,697,392.69 unexpended cash in the hands of the Trustee and Receiver, and the purchase price of \$14,000,000 was paid:

- (a) In twenty-year debentures of the Commission, guaranteed by the Province, maturing in 1952 and bearing interest at the rates $3\frac{1}{2}$ per cent in first five years, 4 per cent in next five years, 5 per cent in last ten years—to the amount of \$17,626,950, and
- (b) In cash \$290,150 to the Receiver:

| | |
|---|-----------------|
| From the par value of the above mentioned bonds..... | \$17,626,950.00 |
| may be deducted the amount of cash turned over to the Commission by the Receiver..... | 2,697,392.69 |
| | \$14,929,557.31 |

and to the balance is added:

- | | |
|--|--------------|
| (1) The cash paid to the Receiver. as above..... | 290,150.00 |
| (2) In settlement of certain claims..... | 57,406.22 |
| (3) Expenditures by the Commission to 31st October, 1933 incidental to the purchase of the properties and towards completion of such properties..... | 1,452,668.92 |

| | |
|--|-----------------|
| Total to 31st October, 1933—as shown above..... | \$16,729,782.45 |
| and leaving in the hands of the Commission a balance in cash of \$897,167.55 | |

Patricia District:

| | |
|---------------------------------|------------|
| Ear Falls generating plant..... | 482,224.95 |
|---------------------------------|------------|

Manitoulin Island:

| | |
|---------------------------|------------|
| Transformer station..... | \$5,098.11 |
| Rural power district..... | 27,527.68 |
| | 32,625.79 |

Bonnechere River Storage:

| | |
|---------------------|-----------|
| Round Lake dam..... | 51,629.23 |
|---------------------|-----------|

Service Buildings and Equipment:

| | |
|---|--------------|
| Service buildings and equipment, Toronto..... | \$508,098.10 |
| Terminal building, Hamilton..... | 750,000.00 |
| Equipment of storehouse and garage, Hamilton..... | 3,666.40 |
| Pole yard and equipment, Cobourg..... | 21,629.08 |
| | 1,283,393.58 |

| | |
|----------------------|------------------|
| Carried forward..... | \$282,261,810.15 |
|----------------------|------------------|

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

TAKINGS—Continued

| | | LIABILITIES | |
|---|-----------------|------------------|------------------|
| Brought forward..... | | \$9,196,275.00 | \$249,517,852.07 |
| Guaranteed 4½ % debenture stock, due 1941, of the Toronto Power Company, Limited: | | | |
| Amount assumed at date of purchase of Company by Commission, December 1, 1920.. | \$13,558,917.81 | | |
| Less: Retired by the Commission..... | 13,483,056.18 | | |
| | | \$75,861.63 | |
| Premium of 5 % payable under terms of Trust deed because of notice to retire before maturity..... | 3,793.08 | | 79,654.71 |
| First mortgage 5 % gold bonds, due 1933, of the Electrical Development Company of Ontario, Limited: | | | |
| Amount assumed at date of purchase of Company by Commission, December 1, 1920.. | \$4,335,000.00 | | |
| Less: Retired by the Commission..... | 4,328,500.00 | | |
| | | 6,500.00 | 9,282,429.71 |
| Other debentures assumed: | | | |
| In respect of purchase of lines at Streetsville: | | | |
| Amount assumed at date of purchase... | \$6,000.00 | | |
| Less: Retired by the Commission..... | 5,541.46 | | |
| | \$458.54 | | |
| Interest accrued thereon..... | 11.46 | | \$470.00 |
| In respect of purchase of original Muskoka Power Development: | | | |
| Amount assumed at date of purchase... | \$50,595.93 | | |
| Less: Retired by the Commission..... | 34,101.75 | | |
| | \$16,494.18 | | |
| Interest accrued thereon..... | 634.34 | | 17,128.52 |
| In respect of purchase of sundry rural lines: | | | |
| Amount assumed at dates of purchase... | \$69,289.85 | | |
| Less: Retired by the Commission..... | 35,571.24 | | |
| | \$33,718.61 | | |
| Interest accrued thereon..... | 872.47 | | 34,591.08 |
| | | | 52,189.60 |
| Outstanding share capital of the Electrical Development Company of Ontario, Limited..... | \$600.00 | | |
| Galetta Electric Power and Milling Company Limited.... | 580.00 | | 1,180.00 |
| Accounts payable..... | \$602,435.60 | | |
| Interest coupons due but not yet presented for payment.... | 57,067.82 | | 659,503.42 |
| Carried forward..... | | \$259,513,154.80 | |

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

| ASSETS | | POWER UNDER |
|--|-----------------|------------------|
| Brought forward..... | | \$282,261,810.15 |
| Office Buildings: | | |
| On University avenue, Toronto..... | \$525,007.00 | |
| On proposed new building..... | 138,450.36 | |
| On corner Elm street and Centre avenue, Toronto..... | 160,821.95 | |
| | | 824,279.31 |
| Office Furniture and Equipment: | | |
| At Toronto office..... | \$61,829.27 | |
| At Electrical Inspection office..... | 6,876.22 | |
| | | 68,705.49 |
| Automobiles and Trucks..... | | 3,737.67 |
| Inventories: | | |
| Construction and maintenance tools and equipment..... | \$831,094.20 | |
| Construction material and sundry supplies..... | 894,564.34 | |
| Maintenance material and supplies..... | 631,837.30 | |
| Stationery and office supplies..... | 24,990.91 | |
| | | 2,382,486.75 |
| Sinking Funds: | | |
| Employed to make repayments to the Province of Ontario under the terms of the Power Commission Act..... | \$17,008,616.73 | |
| Employed in retirement of bonds issued or assumed by the Commission and guar- anteed by the Province of Ontario..... | 7,991,128.38 | |
| Invested in securities of the Province of Ontario, which stand: | | |
| (a) Deposited with the Provincial Treasurer—par value, \$2,101,000.00..... | \$2,087,573.08 | |
| (b) In the hands of the Commission—par value, \$300,000.00..... | 295,200.00 | |
| Interest accrued thereon..... | 33,162.01 | |
| | | 2,415,935.09 |
| Insurance Funds: | | |
| (a) Invested in securities of the Dominion of Canada—par value, \$800,000.00..... | \$802,430.84 | |
| (b) Invested in securities of the Province of Ontario—par value, \$28,000.00..... | 28,727.24 | |
| Interest accrued thereon..... | 616.53 | |
| | \$831,774.61 | |
| (c) On deposit with Workmen's Compensation Board..... | 48,543.01 | |
| | | 880,317.62 |
| Staff Pension Funds: | | |
| (a) Invested in securities of the Province of Ontario—par value, \$3,270,000.00..... | \$3,235,755.95 | |
| (b) Invested in securities of the Dominion of Canada—par value, \$95,000.00..... | 93,427.00 | |
| Interest accrued thereon..... | 37,250.14 | |
| | | 3,366,433.09 |
| Carried forward..... | | \$292,203,705.17 |

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

TAKINGS—Continued

| | | LIABILITIES | |
|---|-----------------|--------------|------------------|
| Brought forward..... | | | \$259,513,154.80 |
| Bank of Montreal: | | | |
| Short term loan (guaranteed by Province of Ontario)..... | | 2,500,000.00 | |
| Other short term loan (secured by pledge of Dominion of Canada and Province of Ontario Bonds)..... | | 3,300,000.00 | |
| Insurance Department: | | | |
| Outstanding claims and awards..... | \$816,542.62 | | |
| Surplus..... | 121,561.38 | | |
| | | | 938,104.00 |
| Reserve for Staff Pensions..... | | | 3,384,757.69 |
| Balances due to Municipalities following the annual adjustments in respect of power supplied to them up to October 31, 1933, in reduction of the amounts charged to them by monthly interim bills: | | | |
| Niagara system..... | \$810,579.69 | | |
| Georgian Bay system..... | 74,760.04 | | |
| Eastern Ontario system..... | 131,601.92 | | |
| Nipissing rural power district..... | 8,987.75 | | |
| | | | 1,025,929.40 |
| Reserves for Sinking Fund: | | | |
| Niagara system..... | \$24,564,512.19 | | |
| Niagara rural lines..... | 14,046.12 | | |
| Thunder Bay system..... | 1,063,953.45 | | |
| Georgian Bay system..... | 936,659.56 | | |
| Georgian Bay rural lines..... | 846.41 | | |
| Eastern Ontario system..... | 1,064,379.57 | | |
| Nipissing rural power district..... | 682.76 | | |
| Bonnechere storage..... | 3,536.97 | | |
| Manitoulin rural power district..... | 285.45 | | |
| | \$27,648,902.48 | | |
| Service buildings and equipment..... | 120,334.12 | | |
| Office buildings..... | 156,249.61 | | |
| | | | 27,925,486.21 |
| Reserves for Renewals: | | | |
| Niagara system..... | \$18,686,189.89 | | |
| Niagara rural lines..... | 6,204.62 | | |
| Thunder Bay system..... | 1,325,319.49 | | |
| Georgian Bay system..... | 1,454,220.59 | | |
| Georgian Bay rural lines..... | 517.15 | | |
| Eastern Ontario system..... | 3,142,627.03 | | |
| Northern Ontario properties..... | 413,679.10 | | |
| Nipissing rural power district..... | 3,800.33 | | |
| Manitoulin rural power district..... | 996.29 | | |
| | \$25,033,554.49 | | |
| Service buildings and equipment..... | 315,079.89 | | |
| Office buildings..... | 115,185.37 | | |
| | | | 25,463,819.75 |
| Carried forward..... | | | \$324,051,251.85 |

HYDRO-ELECTRIC POWER

Detailed Statements of Assets

POWER UNDER

ASSETS

| | | | |
|--|----------------|------------------|--|
| Brought forward | | \$292,203,705.17 | |
| Reserve Funds: | | | |
| (a) Invested in securities of the Dominion of Canada—par value, \$2,501,850.00 | \$2,503,517.83 | | |
| (b) Invested in securities of the Canadian National Railway, guaranteed by the Dominion of Canada—par value, \$50,000.00 | 52,592.03 | | |
| (c) Invested in securities of the Province of Ontario—par value, \$29,618,500.00 | 29,207,884.53 | | |
| (d) Invested in securities of the Commission guaranteed by the Province of Ontario—par value, \$1,200,000.00 | 1,185,212.40 | | |
| (e) Invested in securities of the Temiskaming and Northern Ontario Railway, guaranteed by the Province of Ontario—par value, \$240,000.00 | 207,011.57 | | |
| (f) Invested in debentures of Ontario municipalities, which debentures were received from certain municipalities upon the sale thereto of their local distribution systems—par value, \$1,439,244.34 | 1,324,159.94 | | |
| Interest accrued thereon | 425,111.98 | | |
| | | 34,905,490.28 | |
| Other bonds and shares taken over with the plant assets of power companies acquired—carried at a value of \$24,915.00 | \$24,915.00 | | |
| Interest accrued thereon | 332.51 | | |
| | | 25,247.51 | |
| Cash: | | | |
| In banks | \$2,066,558.17 | | |
| In banks to pay debenture stock and bonds overdue but not presented | 86,154.71 | | |
| In banks to pay bond interest due November 1, 1933, and interest coupons overdue but not presented | 88,942.82 | | |
| Sinking funds on deposit with trustees for bondholders | 775.57 | | |
| In hands of employees as advances on account of expenses | 76,532.71 | | |
| | \$2,318,963.98 | | |
| Less: Funds of Guelph Radial Railway shown elsewhere in this balance sheet | 6,846.28 | | |
| | | 2,312,117.70 | |
| Accounts Receivable: | | | |
| Due by municipalities and sundry customers in respect of construction work, supply sales, etc. | \$323,007.42 | | |
| Less: Reserve for doubtful accounts | 22,797.14 | | |
| | | \$300,210.28 | |
| Due by municipalities and sundry customers in respect of power accounts | \$4,091,739.92 | | |
| Less: Reserve for doubtful accounts | 665,798.60 | | |
| | | 3,425,941.32 | |
| Sinking fund and interest accounts owing in respect of rural lines | 3,848.04 | | |
| | | 3,729,999.64 | |
| Carried forward | | \$333,176,560.30 | |

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

TAKINGS—Continued

LIABILITIES

| | |
|---|------------------|
| Brought forward | \$324,051,251.85 |
| Reserves for Obsolescence and Contingencies: | |
| Niagara system | \$9,106,600.64 |
| Niagara rural lines | 3,047.63 |
| Thunder Bay system | 715,396.31 |
| Georgian Bay system | 429,836.32 |
| Georgian Bay rural lines | 222.36 |
| Eastern Ontario system | 1,131,109.22 |
| Northern Ontario properties | 211,603.46 |
| Nipissing rural power district | 1,317.98 |
| Manitoulin rural power district | 476.90 |
| | <hr/> |
| | 11,599,610.82 |
| Balance at credit of Interest Account | 20,221.23 |
| Contingent Liabilities: | |
| In respect of contracts entered into for power undertakings in course of construction, \$165,265.78. | |

Carried forward \$335,671,083.90

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

| | | | |
|--|--------------|------------------|------------------|
| Brought forward | | \$333,176,560.30 | |
| Balances due by Municipalities—following the annual adjustment—in respect of power supplied to them up to October 31, 1933, in addition to the amounts charged to them by monthly interim bills: | | | |
| Niagara system | \$484,288.11 | | |
| Georgian Bay system | 111,697.27 | | |
| Eastern Ontario system | 88,975.05 | | |
| Thunder Bay system | 101,293.11 | | |
| Manitoulin rural power district | 1,383.84 | | |
| | | | 787,637.38 |
| Rural Loans: | | | |
| Loans made to persons under provisions of the Rural Power District Loans Act in respect of installations of electrical equipment | | | |
| | \$84,912.64 | | |
| Instalments of principal received | 20,767.22 | | |
| | | | |
| | \$64,145.42 | | |
| Interest instalments due | 896.83 | | |
| | | | 65,042.25 |
| Work in Progress: | | | |
| Expenditures to date incidental to Water Heater Campaign, including purchases of materials, also engineering, administration, printing, advertising, etc. | | | |
| | \$387,693.89 | | |
| Less: portion written off against revenue in year ending October 31, 1933 | 63,547.14 | | |
| | | | \$324,146.75 |
| Expenditure on account of various systems chargeable upon completion to: | | | |
| Capital construction | \$22,011.36 | | |
| Operating and maintenance expenses | 22,553.65 | | |
| | | 44,565.01 | |
| | | | 368,711.76 |
| Insurance Unexpired | | | 37,242.26 |
| Discount on Debentures issued by the Commission, less amounts written off: | | | |
| On debenture issue of \$3,200,000 maturing 1941 | \$67,650.81 | | |
| On debenture issue of \$4,000,000 maturing 1939 | 41,018.40 | | |
| | | | 108,669.21 |
| Total Power Undertakings | | | \$334,543,863.16 |

COMMISSION OF ONTARIO
and Liabilities, October 31, 1933

TAKINGS—Continued

LIABILITIES

Brought forward.....\$335,671.083.90

Total Power Undertakings.....\$335,671,083.90

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

| ASSETS | | |
|---|----------------|------------------|
| Brought forward..... | | \$334,543,863.16 |
| Guelph Radial Railway: | | |
| Road and equipment..... | \$444,205.06 | |
| Materials and supplies..... | 5,499.14 | |
| Reserve funds: | | |
| (a) Invested in securities of the Province of Ontario—par value, \$25,000.00 | \$22,534.90 | |
| (b) Invested in securities of the Dominion of Canada—par value, \$25,000.00 | 24,779.92 | |
| Interest accrued thereon..... | 1,057.66 | |
| | | 48,372.48 |
| Cash: | | |
| In the general bank account of the Com- mission at Toronto..... | \$6,846.28 | |
| In bank at Guelph..... | 1,496.99 | |
| In hands of employees as advances on account of expenses..... | 900.00 | |
| | | 9,243.27 |
| Accounts receivable: | \$1,782.12 | |
| Less: Reserve for doubtful accounts..... | 500.00 | |
| | | 1,282.12 |
| Insurance and expenses prepaid..... | | 1,014.90 |
| Due by the City of Guelph: | | |
| Operating deficit for the year ending October 31, 1933—as per Operating Account..... | \$41,332.32 | |
| Less: Paid on account, by the City..... | 38,000.00 | |
| | | 3,332.32 |
| | | 512,949.29 |
| Sandwich, Windsor & Amherstburg Railway Company: | | |
| Undertakings of the Sandwich, Windsor and Amherstburg Railway Company to pay the Hydro Radial Debentures issued by the Commission, and guaranteed by the Province of Ontario, in purchase of, and for the extension and betterment of, the Sandwich, Windsor and Amherst- burg Railway—as per agreement covering the transfer at July 31st, 1931, of the Railway, by the Commission, to the Company..... | \$5,816,205.00 | |
| Interest accrued on such debentures..... | 61,839.63 | |
| NOTE.—The Hydro Radial Debentures above mentioned (and which are also listed opposite as liabilities of the Commission) are—under Statute of 1930 and under Trust Deed, dated July 31, 1931, in favour of the Guaranty Trust Company, as Trustee—secured by: | | |
| (a) A charge upon the properties of the Railway. | | |
| (b) Debentures of the eleven municipalities which own the Railway Company, to the aggregate amount of \$5,816,205.00. | | 5,878,044.63 |
| Carried forward..... | | \$340,934,857.08 |

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

UNDERTAKINGS—Continued

| | | LIABILITIES | |
|--|--|----------------|------------------|
| Brought forward..... | | | \$335,671,083.90 |
| In respect of the Guelph Radial Railway: | | | |
| City of Guelph—purchase price of the Railway payable thereto, in half yearly instalments according to purchase agreement..... | | \$150,000.00 | |
| Less: Twenty-five instalments thereon.... | | 81,856.05 | |
| | | | \$68,143.95 |
| Debentures issued by the Commission and guaranteed by the Province of Ontario: | | | |
| Five per cent Debentures due 1970, issued for the purpose of making extensions and betterments..... | | | 300,000.00 |
| Accounts payable and accrued charges..... | | \$794.42 | |
| Provision for unredeemed tickets..... | | 1,300.00 | |
| | | | 2,094.42 |
| Premium on sale of debentures—less portion written off.... | | | 21,229.14 |
| Reserve—created by payment of instalments on the purchase price out of the revenue of the road and assessments against the City of Guelph..... | | | 81,856.05 |
| Reserve for sinking fund..... | | | 8,152.75 |
| Reserve for renewal of road and equipment..... | | | 31,472.98 |
| | | | 512,949.29 |
| In respect of the Sandwich, Windsor & Amherstburg Railway Company: | | | |
| Debentures issued under provisions of the Hydro-Electric Railway Act, by the Commission and guaranteed by the Province of Ontario in purchase of the Railway and for the purpose of making extensions and betterments thereto. | | | |
| Four and one-half per cent debentures, due April 1, 1960 | | \$2,100,000.00 | |
| Six per cent debentures, due July 1, 1961..... | | 900,000.00 | |
| Five per cent debentures, due September 1, 1943..... | | 966,205.00 | |
| Five per cent debentures, due July 1, 1945..... | | 750,000.00 | |
| Five per cent debentures, due September 1, 1945..... | | 100,000.00 | |
| Five per cent debentures, due July 15, 1946..... | | 1,000,000.00 | |
| | | \$5,816,205.00 | |
| Interest accrued thereon..... | | 61,839.63 | |
| | | | 5,878,044.63 |
| Carried forward..... | | | \$342,062,077.82 |

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Brought forward.....\$340,934,857.08

Toronto and York Radial Railway:

| | | |
|--|----------------|--------------|
| City of Toronto—debentures held as collateral security for the repayment of the Hydro Radial debentures issued in purchase of the Toronto and York Radial Railway—as per agreement covering the transfer (in January, 1927) of the railway to the City of Toronto..... | \$2,375,000.00 | |
| City of Toronto—interest accrued on \$2,375,000 debentures issued by the Commission in purchase of the Toronto and York Radial Railway..... | 59,375.00 | |
| | | 2,434,375.00 |

Port Credit to St. Catharines Radial Railway:

| | | |
|--|-------------|------------|
| Purchase of right-of-way and carrying charges (taxes, less rental revenue) down to October 31, 1933..... | \$73,421.81 | |
| Construction materials purchased, less amount realized on sale thereof..... | 117,510.09 | |
| Surveying, engineering, administrative expenses and interest..... | 399,969.62 | |
| | | 590,901.52 |

Toronto to Port Credit Radial Railway:

| | | |
|---|--------------|--------------------------------|
| Purchase of right-of-way and carrying charges (taxes, less rental revenue) down to October 31, 1933—less amounts realized on properties sold..... | \$486,044.65 | |
| Surveying, engineering, administrative expenses and interest..... | 550,274.57 | |
| | | 1,036,319.22 |
| TOTAL..... | | <u><u>\$344,996,452.82</u></u> |

COMMISSION OF ONTARIO

and Liabilities, October 31, 1933

UNDERTAKINGS—Continued

LIABILITIES

Brought forward.....\$342,062,077.82

In respect of Toronto and York Radial Railway:

Debentures issued by the Commission and guaranteed by
the Province of Ontario:Six per cent debentures, due 1940, issued in purchase
of the Metropolitan, Scarboro and Mimico
Radial Railway divisions..... \$2,375,000.00Interest accrued thereon..... 59,375.00
2,434,375.00

In respect of the Port Credit to St. Catharines Radial Railway:

Bank of Montreal—advances (secured by hypothecation of \$1,200,000 Hydro
Radial debentures, being part of an issue of \$11,360,363 guaranteed by
the Province of Ontario)..... 500,000.00

TOTAL.....\$344,996,452.82

NIAGARA

Operating Account for the

COSTS OF OPERATION AS PROVIDED UNDER THE TERMS OF THE
POWER COMMISSION ACT

| | | |
|---|-----------------|------------------------|
| Power purchased | | \$6,738,406.63 |
| Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of this system: | | |
| Generation and transmission equipment..... | \$4,187,507.27 | |
| Rural power districts..... | 557,105.44 | |
| Water heater costs written off in year to extent of revenue available from water heater loads..... | 55,561.07 | |
| | | 4,800,173.78 |
| Interest (including exchange thereon) on capital investment in: | | |
| Generation and transmission equipment..... | \$10,151,547.62 | |
| Rural power districts..... | 294,442.54 | |
| | | 10,445,990.16 |
| Provision for renewals of: | | |
| Generation and transmission equipment..... | \$1,376,778.87 | |
| Rural power districts..... | 251,397.57 | |
| | | 1,628,176.44 |
| Provision for obsolescence and contingencies in respect of: | | |
| Rural power districts..... | \$125,698.79 | |
| | | 125,698.79 |
| Provision for sinking funds for repayment of the cash advances by the province of Ontario to the Commission and for the retirement of the bonds issued by and assumed by the Commission: | | |
| By charges included in the cost of power delivered to municipa- lities and rural power districts..... | \$1,385,325.62 | |
| By charges against contracts with private companies which purchased power and local distribution systems..... | 431,003.02 | |
| By charges included in the cost of distribution of power within rural power districts..... | 66,871.35 | |
| | | 1,883,199.99 |
| Total costs of operation..... | | \$25,621,645.79 |
| Deduct: | | |
| Cost to the Commission (including provisions for sinking fund \$431,003.02 and renewals \$312,153.93) of power delivered to private companies and customers under flat rate contracts, in excess of the revenue received from them— which excess has been charged against the Contingency Reserve of the system..... | \$2,221,034.43 | |
| Amount appropriated from the Contingency Reserve of the system and applied proportionately to each municipality in reduction of the costs of operation..... | 2,015,572.30 | |
| | | 4,236,606.73 |
| | | <u>\$21,385,039.06</u> |

SYSTEM

Year Ending October 31, 1933

REVENUE FOR PERIOD

| | | |
|---|------------------------|-------------------------------|
| Amounts received from (or billed against) each municipality by the Commission..... | \$15,136,167.92 | |
| Power sold to private companies and customers, also miscellaneous revenue..... | 3,817,900.47 | |
| Amounts received from (or billed against) customers in rural power districts..... | 2,063,370.73 | |
| Power supplied at cost to Sandwich, Windsor & Amherstburg Railway Company and certain fixed charges billed against Windsor, Essex & Lake Shore Electric Railway Association.. | 79,282.94 | |
| | <u>\$21,096,722.06</u> | |
| Add: | | |
| Amounts due by certain municipalities, being the difference between the sums received (or billed) at interim rates and the amounts charged—following annual adjustment—in respect of power supplied in the year..... | \$320,603.06 | |
| Amounts due by municipalities comprising certain rural power districts, being the difference between the sums received from (or billed against) customers therein and the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year..... | 92,501.40 | 413,104.46 |
| | | <u>\$21,509,826.52</u> |
| Deduct: | | |
| Amounts received from (or billed against) certain municipalities at interim rates in excess of the amounts charged—following annual adjustment—in respect of power supplied in the year..... | \$74,541.31 | |
| Amounts received from (or billed against) customers in certain rural power districts in excess of the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year..... | 50,246.15 | 124,787.46 |
| Revenue..... | <u>\$21,385,039.06</u> | |
| | | <u><u>\$21,385,039.06</u></u> |

NOTE—Operating account of Hamilton Street Railway Company is shown on page 274.

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horsepower supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--------------------|--|-----------------|---|---|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Acton..... | 33.00 | 33.00 | 243,602.11 | 784.6 | 6,798.72 | 6,021.07 | 12,201.19 |
| Water heater load. | | | | 2.5 | | *84.89 | |
| Agincourt..... | 40.00 | 40.00 | 49,545.82 | 136.3 | 1,181.07 | 1,288.89 | 2,460.08 |
| Water heater load. | | | | 0.1 | | *3.94 | |
| Ailsa Craig..... | 48.00 | 48.00 | 36,770.85 | 89.2 | 772.94 | 1,636.43 | 1,769.18 |
| Alvinston..... | 90.00 | 90.00 | 61,292.09 | 74.9 | 649.02 | 1,937.56 | 2,888.73 |
| Amherstburg..... | 40.00 | 38.00 | 193,881.50 | 587.0 | 5,086.48 | 5,161.93 | 9,666.41 |
| Water heater load. | | | | 9.6 | | *349.60 | |
| Ancaster twp..... | 30.00 | 30.00 | 68,899.46 | 246.2 | 2,133.37 | 1,997.99 | 3,497.22 |
| Water heater load. | | | | 1.5 | | *48.43 | |
| Arkona..... | 75.00 | 75.00 | 33,234.98 | 52.7 | 456.66 | 1,483.80 | 1,596.20 |
| Aylmer..... | 35.00 | 35.00 | 138,589.66 | 440.6 | 3,817.89 | 4,156.84 | 6,913.83 |
| Water heater load. | | | | 0.3 | | *10.79 | |
| Ayr..... | 35.00 | 34.00 | 47,654.46 | 162.7 | 1,409.83 | 1,592.46 | 2,392.25 |
| Baden..... | 32.00 | 32.00 | 75,357.51 | 253.7 | 2,198.36 | 2,146.68 | 3,734.06 |
| Beachville..... | 33.00 | 33.00 | 128,358.54 | 440.5 | 3,817.02 | 3,529.00 | 6,433.39 |
| Water heater load. | | | | 0.8 | | *26.29 | |
| Belle River..... | 38.00 | 38.00 | 36,481.80 | 109.1 | 945.37 | 1,367.92 | 1,816.94 |
| Water heater load. | | | | 0.3 | | *12.14 | |
| Blenheim..... | 39.00 | 39.00 | 113,363.81 | 336.1 | 2,912.37 | 3,763.76 | 5,603.33 |
| Water heater load. | | | | 1.8 | | *70.62 | |
| Blyth..... | 58.00 | 58.00 | 40,808.82 | 87.6 | 759.07 | 1,544.97 | 1,984.35 |
| Bolton..... | 46.00 | 44.00 | 44,228.76 | 119.4 | 1,034.63 | 1,291.32 | 2,154.97 |
| Water heater load. | | | | 0.8 | | *32.89 | |
| Bothwell..... | 45.00 | 45.00 | 36,460.59 | 96.9 | 839.66 | 1,659.09 | 1,752.05 |
| Water heater load. | | | | 0.4 | | *19.01 | |
| Brampton..... | 29.00 | 30.00 | 534,738.02 | 2,003.6 | 17,361.60 | 16,929.76 | 27,085.25 |
| Water heater load. | | | | 4.8 | | *151.59 | |
| Brantford..... | 27.00 | 27.00 | 2,800,848.27 | 11,548.4 | 100,069.22 | 66,539.77 | 142,183.68 |
| Water heater load. | | | | 19.6 | | *555.01 | |
| Brantford twp..... | 29.00 | 30.00 | 144,015.51 | 551.1 | 4,775.39 | 4,999.47 | 7,376.35 |
| Water heater load. | | | | 1.2 | | *38.32 | |
| Bridgeport..... | 36.00 | 36.00 | 32,429.42 | 102.1 | 884.72 | 1,048.85 | 1,635.51 |
| Water heater load. | | | | 0.3 | | *11.16 | |
| Brigden..... | 68.00 | 65.00 | 37,902.77 | 69.6 | 603.10 | 1,348.57 | 1,812.55 |
| Brussels..... | 54.00 | 54.00 | 49,993.30 | 114.1 | 988.70 | 1,892.64 | 2,434.21 |
| Burford..... | 35.00 | 35.00 | 41,994.31 | 140.6 | 1,218.33 | 1,289.39 | 2,101.43 |
| Burgessville..... | 44.00 | 50.00 | 16,577.41 | 40.1 | 347.48 | 871.19 | 806.01 |
| Caledonia..... | 29.00 | 29.00 | 73,657.68 | 259.2 | 2,246.02 | 2,085.73 | 3,700.36 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,085.88 | 2,280.31 | 29,387.17 | 2,746.10 | 26,641.07 | 26,712.95 | | 13.01 |
| 442.11 | 472.07 | 5,844.22 | 477.05 | 5,367.17 | 5,603.20 | 232.09 | |
| 371.91 | 354.57 | 4,905.03 | 312.20 | 4,592.83 | 4,382.79 | | 210.04 |
| 765.04 | 618.41 | 6,858.76 | 262.15 | 6,596.61 | 6,926.75 | 330.14 | |
| 1,685.51 | 1,830.67 | 23,431.00 | 2,054.50 | 21,376.50 | 23,480.33 | 1,754.23 | |
| 545.01 | 636.47 | 8,810.06 | 861.70 | 7,948.36 | 7,639.28 | | 357.51 |
| 388.91 | 330.25 | 4,255.82 | 184.45 | 4,071.37 | 4,057.01 | | 14.36 |
| 1,193.74 | 1,299.83 | 17,382.13 | 1,542.10 | 15,840.03 | 15,844.65 | | 6.17 |
| 389.78 | 443.10 | 6,227.42 | 569.45 | 5,657.97 | 5,702.71 | 44.74 | |
| 621.74 | 701.97 | 9,402.81 | 887.95 | 8,514.86 | 8,346.00 | | 168.86 |
| 1,043.31 | 1,192.71 | 16,015.43 | 1,541.75 | 14,473.68 | 14,952.55 | 452.58 | |
| 319.92 | 344.92 | 4,795.07 | 381.85 | 4,413.22 | 4,262.57 | | 162.79 |
| 1,011.75 | 1,072.13 | 14,363.34 | 1,176.35 | 13,186.99 | 13,517.39 | 259.78 | |
| 433.55 | 397.33 | 5,119.27 | 306.60 | 4,812.67 | 5,205.58 | 392.91 | |
| 422.60 | 422.97 | 5,326.49 | 417.90 | 4,908.59 | 5,471.14 | 529.66 | |
| 346.85 | 347.82 | 4,945.47 | 339.15 | 4,606.32 | 4,487.44 | | 137.89 |
| 4,006.01 | 4,907.08 | 70,289.70 | 7,012.60 | 63,277.10 | 61,536.07 | | 1,892.62 |
| 21,022.23 | 25,681.31 | 355,496.21 | 40,419.40 | 315,076.81 | 311,164.45 | | 4,467.37 |
| 1,059.27 | 1,317.71 | 19,528.19 | 1,928.85 | 17,599.34 | 16,904.56 | | 733.10 |
| 281.74 | 304.64 | 4,155.46 | 357.35 | 3,798.11 | 3,782.23 | | 27.04 |
| 425.13 | 374.03 | 4,563.38 | 243.60 | 4,319.78 | 4,674.96 | 355.18 | |
| 517.29 | 484.25 | 6,317.09 | 399.35 | 5,917.74 | 6,313.81 | 396.07 | |
| 349.21 | 391.61 | 5,349.97 | 492.10 | 4,857.87 | 5,047.46 | 189.59 | |
| 168.39 | 160.12 | 2,353.19 | 140.35 | 2,212.84 | 2,004.39 | | 208.45 |
| 587.67 | 679.83 | 9,299.61 | 907.20 | 8,392.41 | 7,732.85 | | 659.56 |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horsepower supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|------------------------|--|-----------------|---|---|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Campbellville..... | 62.00 | 60.00 | 8,554.80 | 25.1 | 217.50 | 862.52 | 427.57 |
| Cayuga..... | 50.00 | 48.00 | 42,983.36 | 99.2 | 859.59 | 1,892.38 | 2,087.01 |
| Chatham..... | 30.00 | 30.00 | 1,069,849.84 | 3,811.3 | 33,025.69 | 26,834.66 | 53,621.29 |
| Water heater load..... | | | | 23.9 | | *741.55 | |
| Chippawa..... | 25.00 | 25.00 | 43,910.02 | 196.5 | 1,702.71 | 1,140.30 | 2,256.95 |
| Water heater load..... | | | | 1.9 | | *49.16 | |
| Clifford..... | 59.00 | 59.00 | 29,254.87 | 56.7 | 491.32 | 1,485.51 | 1,414.90 |
| Clinton..... | 38.00 | 38.00 | 147,343.39 | 436.6 | 3,783.23 | 4,791.07 | 7,275.15 |
| Comber..... | 50.00 | 50.00 | 51,719.24 | 124.7 | 1,080.55 | 1,941.06 | 2,502.60 |
| Cottam..... | 44.00 | 44.00 | 23,215.62 | 59.9 | 519.05 | 725.64 | 1,151.78 |
| Courtright..... | 72.00 | 72.00 | 23,042.55 | 39.4 | 341.41 | 1,361.01 | 1,105.99 |
| Dashwood..... | 50.00 | 50.00 | 21,950.30 | 50.2 | 434.99 | 904.58 | 1,058.20 |
| Delaware..... | 38.00 | 38.00 | 10,460.48 | 36.1 | 312.81 | 505.55 | 525.77 |
| Water heater load..... | | | | 1.0 | | *38.75 | |
| Dorchester..... | 38.00 | 38.00 | 27,127.73 | 77.4 | 670.69 | 1,113.01 | 1,266.88 |
| Water heater load..... | | | | 0.4 | | *16.78 | |
| Drayton..... | 58.00 | 58.00 | 44,952.50 | 89.9 | 779.00 | 2,165.04 | 2,167.42 |
| Water heater load..... | | | | 0.1 | | *6.37 | |
| Dresden..... | 45.00 | 45.00 | 99,732.05 | 269.4 | 2,334.41 | 3,899.89 | 4,898.30 |
| Water heater load..... | | | | 0.5 | | *22.43 | |
| Drumbo..... | 45.00 | 45.00 | 21,821.76 | 64.0 | 554.57 | 868.67 | 1,080.78 |
| Water heater load..... | | | | 0.2 | | *8.39 | |
| Dublin..... | 58.00 | 58.00 | 18,213.53 | 36.9 | 319.75 | 806.84 | 874.67 |
| Dundas..... | 25.00 | 25.00 | 323,823.83 | 1,285.4 | 11,138.25 | 6,590.72 | 16,336.13 |
| Water heater load..... | | | | 3.5 | | *94.27 | |
| Dunnville..... | 35.00 | 34.00 | 225,632.91 | 766.8 | 6,644.48 | 4,094.26 | 11,367.20 |
| Dutton..... | 38.00 | 38.00 | 63,104.22 | 210.1 | 1,820.56 | 2,474.00 | 3,160.21 |
| Water heater load..... | | | | 0.1 | | *3.73 | |
| East Windsor..... | 31.00 | 31.00 | 680,732.50 | 2,256.0 | 19,548.72 | 15,469.59 | 34,025.34 |
| Water heater load..... | | | | 19.8 | | *640.83 | |
| Elmira..... | 34.00 | 34.00 | 187,060.34 | 580.5 | 5,030.15 | 5,225.82 | 9,203.85 |
| Water heater load..... | | | | 4.1 | | *147.12 | |
| Elora..... | 35.00 | 35.00 | 92,017.99 | 275.4 | 2,386.40 | 2,784.70 | 4,515.58 |
| Water heater load..... | | | | 0.4 | | *15.14 | |
| Embro..... | 50.00 | 48.00 | 34,248.56 | 93.4 | 809.33 | 1,472.46 | 1,666.30 |
| Water heater load..... | | | | 0.5 | | *22.84 | |
| Erieau..... | 56.00 | 56.00 | 31,739.99 | 69.6 | 603.10 | 1,173.14 | 1,554.08 |
| Water heater load..... | | | | 0.1 | | *5.36 | |
| Erie Beach..... | 70.00 | 70.00 | 6,994.65 | 13.7 | 118.71 | 348.13 | 339.44 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 78.02 | 81.01 | 1,666.62 | 87.85 | 1,578.77 | 1,543.65 | | 35.12 |
| 441.34 | 412.12 | 5,692.44 | 347.20 | 5,345.24 | 4,912.83 | | 432.41 |
| 8,228.93 | 9,880.44 | 131,591.01 | 13,339.55 | 118,251.46 | 118,469.37 | | 523.64 |
| | | 741.55 | | 741.55 | | | |
| 280.21 | 391.55 | 5,771.72 | 687.75 | 5,083.97 | 5,091.30 | | 41.83 |
| | | 49.16 | | 49.16 | | | |
| 323.22 | 287.09 | 4,002.04 | 198.45 | 3,803.59 | 3,431.58 | | 372.01 |
| 1,320.10 | 1,390.10 | 18,559.65 | 1,528.10 | 17,031.55 | 16,535.62 | | 495.93 |
| 519.74 | 499.13 | 6,543.08 | 436.45 | 6,106.63 | 6,385.33 | 278.70 | |
| 223.42 | 222.91 | 2,842.80 | 209.65 | 2,633.15 | 2,703.79 | 70.64 | |
| 264.45 | 228.43 | 3,301.29 | 137.90 | 3,163.39 | 2,910.07 | | 253.32 |
| 228.54 | 213.04 | 2,839.35 | 175.70 | 2,663.65 | 2,574.46 | | 89.19 |
| 84.09 | 96.87 | 1,525.09 | 126.35 | 1,398.74 | 1,441.99 | 4.50 | |
| | | 38.75 | | 38.75 | | | |
| 226.59 | 240.19 | 3,517.36 | 270.90 | 3,246.46 | 3,028.94 | | 234.30 |
| | | 16.78 | | 16.78 | | | |
| 491.02 | 440.11 | 6,042.59 | 314.65 | 5,727.94 | 5,355.23 | | 379.08 |
| | | 6.37 | | 6.37 | | | |
| 944.35 | 953.00 | 13,029.95 | 942.90 | 12,087.05 | 12,447.91 | 338.43 | |
| | | 22.43 | | 22.43 | | | |
| 199.47 | 206.70 | 2,910.19 | 224.00 | 2,686.19 | 2,953.38 | 258.80 | |
| | | 8.39 | | 8.39 | | | |
| 197.98 | 178.14 | 2,377.38 | 129.15 | 2,248.23 | 2,138.24 | | 109.99 |
| 2,309.51 | 2,946.76 | 39,321.37 | 4,498.90 | 34,822.47 | 33,396.53 | | 1,520.21 |
| | | 94.27 | | 94.27 | | | |
| 1,901.74 | 2,099.53 | 26,107.21 | 2,683.80 | 23,423.41 | 26,898.91 | 3,475.50 | |
| 525.65 | 589.24 | 8,569.66 | 735.35 | 7,834.31 | 8,178.43 | 340.39 | |
| | | 3.73 | | 3.73 | | | |
| 5,511.24 | 6,357.13 | 80,912.02 | 7,896.00 | 73,016.02 | 72,574.41 | | 1,082.44 |
| | | 640.83 | | 640.83 | | | |
| 1,642.09 | 1,760.27 | 22,862.18 | 2,031.75 | 20,830.43 | 20,436.94 | | 540.61 |
| | | 147.12 | | 147.12 | | | |
| 830.70 | 869.57 | 11,386.95 | 963.90 | 10,423.05 | 9,921.38 | | 516.81 |
| | | 15.14 | | 15.14 | | | |
| 322.04 | 323.68 | 4,593.81 | 326.90 | 4,266.91 | 4,640.33 | 350.58 | |
| | | 22.84 | | 22.84 | | | |
| 333.49 | 309.05 | 3,972.86 | 243.60 | 3,729.26 | 3,998.31 | 263.69 | |
| | | 5.36 | | 5.36 | | | |
| 76.85 | 68.70 | 951.83 | 47.95 | 903.88 | 981.29 | 77.41 | |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horsepower supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|------------------------|--|-----------------|---|---|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Essex..... | 35.00 | 35.00 | 105,032.26 | 316.9 | 2,746.00 | 2,655.15 | 5,229.58 |
| Water heater load..... | | | | 0.8 | | *28.85 | |
| Etobicoke twp..... | 29.00 | 28.00 | 790,357.84 | 3,039.1 | 26,334.42 | 16,209.72 | 40,476.31 |
| Water heater load..... | | | | 35.7 | | *981.61 | |
| Exeter..... | 38.00 | 38.00 | 133,714.37 | 389.2 | 3,372.50 | 4,272.46 | 6,612.97 |
| Water heater load..... | | | | 1.9 | | *75.12 | |
| Fergus..... | 35.00 | 35.00 | 211,972.65 | 636.1 | 5,511.94 | 6,012.23 | 10,565.22 |
| Water heater load..... | | | | 2.8 | | *104.66 | |
| Fonthill..... | 34.00 | 36.00 | 29,584.77 | 112.2 | 972.24 | 1,174.56 | 1,516.93 |
| Water heater load..... | | | | 1.5 | | *50.39 | |
| Forest..... | 48.00 | 48.00 | 124,794.14 | 309.4 | 2,681.01 | 4,205.40 | 6,127.95 |
| Water heater load..... | | | | 0.9 | | *41.80 | |
| Galt..... | 27.00 | 27.00 | 1,425,076.37 | 5,510.5 | 47,749.60 | 34,927.33 | 71,957.36 |
| Water heater load..... | | | | 9.0 | | *259.20 | |
| Georgetown..... | 35.00 | 35.00 | 326,244.17 | 970.2 | 8,406.98 | 8,535.53 | 16,166.86 |
| Water heater load..... | | | | 1.9 | | *67.50 | |
| Glencoe..... | 58.00 | 58.00 | 78,757.34 | 159.9 | 1,385.57 | 2,969.92 | 3,806.32 |
| Water heater load..... | | | | 0.4 | | *23.07 | |
| Goderich..... | 42.00 | 42.00 | 361,661.44 | 950.4 | 8,235.41 | 11,719.07 | 17,648.27 |
| Water heater load..... | | | | 8.2 | | *355.65 | |
| Granton..... | 50.00 | 50.00 | 23,491.47 | 56.2 | 486.98 | 1,180.90 | 1,136.40 |
| Water heater load..... | | | | 0.3 | | *16.40 | |
| Guelph..... | 27.00 | 28.00 | 1,844,316.85 | 7,122.3 | 61,716.17 | 45,760.52 | 93,407.02 |
| Water heater load..... | | | | 17.4 | | *503.89 | |
| Hagersville..... | 31.00 | 31.00 | 177,314.24 | 550.8 | 4,772.79 | 4,876.82 | 8,635.07 |
| Hamilton..... | 23.50 | 24.50 | 18,808,727.40 | 76,884.1 | 666,216.32 | 326,554.82 | 963,113.90 |
| Water heater load..... | | | | 186.2 | | *4,811.89 | |
| Harriston..... | 44.00 | 44.00 | 103,670.12 | 277.5 | 2,404.59 | 4,644.08 | 5,073.95 |
| Harrow..... | 40.00 | 38.00 | 111,039.96 | 319.4 | 2,767.67 | 3,213.73 | 5,542.91 |
| Water heater load..... | | | | 2.5 | | *97.53 | |
| Hensall..... | 50.00 | 50.00 | 60,955.56 | 133.5 | 1,156.80 | 2,131.21 | 2,964.91 |
| Hespeler..... | 29.00 | 29.00 | 445,148.80 | 1,712.5 | 14,839.16 | 11,003.35 | 22,744.66 |
| Water heater load..... | | | | 1.7 | | *49.54 | |
| Highgate..... | 46.00 | 48.00 | 24,587.78 | 62.9 | 545.04 | 946.45 | 1,192.07 |
| Water heater load..... | | | | 0.2 | | *9.35 | |
| Humberstone..... | 28.00 | 28.00 | 84,994.57 | 322.3 | 2,792.79 | 2,006.08 | 4,346.29 |
| Ingersoll..... | 28.00 | 28.00 | 542,693.39 | 1,968.7 | 17,059.18 | 13,755.71 | 27,332.73 |
| Water heater load..... | | | | 3.6 | | *110.56 | |
| Jarvis..... | 38.00 | 38.00 | 58,523.85 | 148.6 | 1,287.65 | 2,042.11 | 2,859.44 |
| Kingsville..... | 38.00 | 38.00 | 141,829.66 | 405.3 | 3,512.11 | 3,992.57 | 7,028.77 |
| Water heater load..... | | | | 4.3 | | *167.05 | |
| Kitchener..... | 27.00 | 27.00 | 3,644,588.90 | 14,083.7 | 122,038.12 | 79,336.20 | 184,765.34 |
| Water heater load..... | | | | 59.9 | | *1,686.66 | |
| Lambeth..... | 42.00 | 42.00 | 33,398.95 | 97.3 | 843.12 | 1,254.98 | 1,654.89 |
| Water heater load..... | | | | 1.3 | | *53.90 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|-----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 915.22 | 992.01 | 12,537.96 | 1,109.15 | 11,428.81 | 11,422.60 | ..... | 35.06 |
| ..... | ..... | 28.85 | ..... | 28.85 | ..... | ..... | ..... |
| 5,719.02 | 7,229.59 | 95,969.06 | 10,636.85 | 85,332.21 | 89,095.06 | 2,781.24 | ..... |
| ..... | ..... | 981.61 | ..... | 981.61 | ..... | ..... | ..... |
| 1,224.86 | 1,267.80 | 16,750.59 | 1,362.20 | 15,388.39 | 15,264.86 | ..... | 198.65 |
| ..... | ..... | 75.12 | ..... | 75.12 | ..... | ..... | ..... |
| 1,910.22 | 2,002.54 | 26,002.15 | 2,226.35 | 23,775.80 | 22,994.23 | ..... | 886.23 |
| ..... | ..... | 104.66 | ..... | 104.66 | ..... | ..... | ..... |
| 227.20 | 271.09 | 4,162.02 | 392.70 | 3,769.32 | 4,141.26 | 321.55 | ..... |
| ..... | ..... | 50.39 | ..... | 50.39 | ..... | ..... | ..... |
| 1,234.36 | 1,202.54 | 15,451.26 | 1,082.90 | 14,368.36 | 15,280.61 | 870.45 | ..... |
| ..... | ..... | 41.80 | ..... | 41.80 | ..... | ..... | ..... |
| 10,343.20 | 13,009.86 | 177,987.35 | 19,286.75 | 158,700.60 | 159,384.50 | 424.70 | ..... |
| ..... | ..... | 259.20 | ..... | 259.20 | ..... | ..... | ..... |
| 2,956.63 | 3,084.62 | 39,150.62 | 3,395.70 | 35,754.92 | 35,014.74 | ..... | 807.68 |
| ..... | ..... | 67.50 | ..... | 67.50 | ..... | ..... | ..... |
| 851.22 | 769.72 | 9,782.75 | 559.65 | 9,223.10 | 9,536.79 | 290.62 | ..... |
| ..... | ..... | 23.07 | ..... | 23.07 | ..... | ..... | ..... |
| 3,487.41 | 3,456.90 | 44,547.06 | 3,326.40 | 41,220.66 | 40,149.12 | ..... | 1,427.19 |
| ..... | ..... | 355.65 | ..... | 355.65 | ..... | ..... | ..... |
| 238.54 | 226.36 | 3,269.18 | 196.70 | 3,072.48 | 2,878.32 | ..... | 210.56 |
| ..... | ..... | 16.40 | ..... | 16.40 | ..... | ..... | ..... |
| 13,451.78 | 16,850.69 | 231,186.18 | 24,928.05 | 206,258.13 | 204,139.60 | ..... | 2,622.42 |
| ..... | ..... | 503.89 | ..... | 503.89 | ..... | ..... | ..... |
| 1,544.50 | 1,652.23 | 21,481.41 | 1,927.80 | 19,553.61 | 17,563.88 | ..... | 1,989.73 |
| 129,735.34 | 170,356.44 | 2,255,976.82 | 269,094.35 | 1,986,882.47 | 1,911,204.44 | ..... | 80,489.92 |
| ..... | ..... | 4,811.89 | ..... | 4,811.89 | ..... | ..... | ..... |
| 989.34 | 989.05 | 14,101.01 | 971.25 | 13,129.76 | 12,522.39 | ..... | 607.37 |
| | | | | | | | |
| 1,000.12 | 1,054.37 | 13,578.80 | 1,117.90 | 12,460.90 | 12,660.95 | 102.52 | ..... |
| ..... | ..... | 97.53 | ..... | 97.53 | ..... | ..... | ..... |
| 646.48 | 593.77 | 7,493.17 | 467.25 | 7,025.92 | 6,853.88 | ..... | 172.04 |
| 3,248.52 | 4,067.06 | 55,902.75 | 5,993.75 | 49,909.00 | 52,808.71 | 2,850.17 | ..... |
| ..... | ..... | 49.54 | ..... | 49.54 | ..... | ..... | ..... |
| 239.94 | 236.14 | 3,159.64 | 220.15 | 2,939.49 | 3,083.63 | 134.79 | ..... |
| ..... | ..... | 9.35 | ..... | 9.35 | ..... | ..... | ..... |
| 646.17 | 778.82 | 10,570.15 | 1,128.05 | 9,442.10 | 9,279.98 | ..... | 162.12 |
| | | | | | | | |
| 4,200.09 | 5,005.73 | 67,353.44 | 6,890.45 | 60,462.99 | 56,860.73 | ..... | 3,712.82 |
| ..... | ..... | 110.56 | ..... | 110.56 | ..... | ..... | ..... |
| 576.99 | 558.29 | 7,324.48 | 520.10 | 6,804.38 | 5,808.52 | ..... | 995.86 |
| 1,283.00 | 1,347.70 | 17,164.15 | 1,418.55 | 15,745.60 | 15,982.99 | 70.34 | ..... |
| ..... | ..... | 167.05 | ..... | 167.05 | ..... | ..... | ..... |
| 26,433.13 | 33,295.37 | 445,868.16 | 49,292.95 | 396,575.21 | 392,768.37 | ..... | 5,493.50 |
| ..... | ..... | 1,686.66 | ..... | 1,686.66 | ..... | ..... | ..... |
| 305.56 | 316.49 | 4,375.04 | 340.55 | 4,034.49 | 4,241.33 | 152.94 | ..... |
| ..... | ..... | 53.90 | ..... | 53.90 | ..... | ..... | ..... |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--------------------------------|--|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| La Salle..... | 36.00 | 35.00 | 63,407.59 | 197.3 | 1,709.64 | 1,683.75 | 3,183.38 |
| Water heater load | | | | 0.8 | | *28.48 | |
| Leamington..... | 37.00 | 37.00 | 343,897.76 | 973.8 | 8,438.18 | 8,865.52 | 17,118.95 |
| Water heater load | | | | 6.1 | | *234.37 | |
| Listowel..... | 37.00 | 37.00 | 261,715.70 | 820.9 | 7,113.27 | 9,882.39 | 13,026.69 |
| Water heater load | | | | 2.1 | | *81.49 | |
| London..... | 26.00 | 26.00 | 7,053,406.79 | 28,067.1 | 243,207.12 | 140,290.95 | 359,353.94 |
| Water heater load | | | | 265.8 | | *7,180.59 | |
| London Railway Commission..... | | | 312,323.66 | 990.0 | 8,578.55 | 11,590.42 | 15,368.06 |
| London twp..... | 34.00 | 34.00 | 94,623.02 | 323.6 | 2,804.06 | 2,895.13 | 4,799.64 |
| Water heater load | | | | 5.2 | | *176.95 | |
| Long Branch..... | 29.00 | 30.00 | 183,962.18 | 679.0 | 5,883.67 | 4,109.14 | 9,491.13 |
| Water heater load | | | | 3.0 | | *89.22 | |
| Lucan..... | 37.00 | 37.00 | 39,444.97 | 127.4 | 1,103.95 | 1,627.71 | 1,931.29 |
| Lynden..... | 40.00 | 40.00 | 27,090.24 | 82.6 | 715.75 | 999.24 | 1,316.26 |
| Markham..... | 43.00 | 43.00 | 71,114.45 | 221.2 | 1,916.74 | 3,254.53 | 3,556.29 |
| Water heater load | | | | 0.7 | | *29.08 | |
| Merlin..... | 45.00 | 45.00 | 33,765.03 | 85.6 | 741.74 | 1,313.44 | 1,645.53 |
| Water heater load | | | | 0.1 | | *4.74 | |
| Merritton..... | 23.00 | 23.00 | 578,017.16 | 2,715.2 | 23,527.76 | 11,735.69 | 30,552.92 |
| Water heater load | | | | 3.4 | | *81.24 | |
| Milton..... | 34.00 | 34.00 | 165,314.16 | 542.1 | 4,697.41 | 6,256.99 | 8,033.10 |
| Water heater load | | | | 4.9 | | *181.04 | |
| Milverton..... | 35.00 | 35.00 | 90,993.40 | 283.4 | 2,455.72 | 2,899.96 | 4,435.33 |
| Water heater load | | | | 0.8 | | *29.47 | |
| Mimico..... | 26.00 | 26.00 | 486,775.29 | 1,981.4 | 17,169.23 | 10,271.61 | 24,960.35 |
| Water heater load | | | | 24.6 | | *660.21 | |
| Mitchell..... | 33.00 | 33.00 | 123,079.96 | 414.9 | 3,595.19 | 3,837.35 | 6,126.32 |
| Water heater load | | | | 3.6 | | *123.64 | |
| Moorefield..... | 61.00 | 61.00 | 21,464.55 | 41.4 | 358.74 | 1,042.21 | 1,030.55 |
| Mount Brydges..... | 42.00 | 42.00 | 26,632.82 | 84.1 | 728.74 | 1,261.12 | 1,328.59 |
| Water heater load | | | | 0.7 | | *29.16 | |
| Newbury..... | 52.00 | 54.00 | 18,725.58 | 42.0 | 363.94 | 754.55 | 911.17 |
| New Hamburg..... | 35.00 | 35.00 | 139,549.43 | 444.7 | 3,853.42 | 3,814.43 | 6,924.37 |
| Water heater load | | | | 1.3 | | *45.45 | |
| New Toronto..... | 30.00 | 30.00 | 1,260,255.14 | 4,618.0 | 40,015.91 | 27,946.31 | 63,546.56 |
| Water heater load | | | | 6.8 | | *200.99 | |
| Niagara Falls..... | 19.00 | 19.00 | 1,645,138.21 | 8,347.8 | 72,335.38 | 29,559.54 | 86,261.49 |
| Niagara-on-the-Lake | 27.00 | 27.00 | 107,216.16 | 480.8 | 4,166.23 | 3,685.10 | 5,562.60 |
| Water heater load | | | | 1.7 | | *47.27 | |
| Norwich..... | 34.00 | 34.00 | 96,599.07 | 308.8 | 2,675.81 | 2,899.68 | 4,785.58 |
| Water heater load | | | | 1.1 | | *39.24 | |
| Oil Springs..... | 45.00 | 45.00 | 63,928.56 | 166.3 | 1,441.02 | 1,902.73 | 3,108.52 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|-----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 540.14 | 596.79 | 7,713.70 | 690.55 | 7,023.15 | 7,155.87 | 104.24 | ..... |
| | | 28.48 | ..... | 28.48 | ..... | ..... | ..... |
| 3,129.55 | 3,270.99 | 40,823.19 | 3,408.30 | 37,414.89 | 37,255.70 | ..... | 393.56 |
| | | 234.37 | ..... | 234.37 | ..... | ..... | ..... |
| 2,252.24 | 2,452.36 | 34,726.95 | 2,873.15 | 31,853.80 | 31,231.18 | ..... | 704.11 |
| | | 81.49 | ..... | 81.49 | ..... | ..... | ..... |
| 49,470.11 | 64,147.08 | 856,469.20 | 98,234.85 | 758,234.35 | 757,905.02 | ..... | 7,509.92 |
| | | 7,180.59 | ..... | 7,180.59 | ..... | ..... | ..... |
| 2,701.67 | 2,934.27 | 41,172.97 | 3,465.00 | 37,707.97 | 29,374.36 | ..... | 8,333.61 |
| 767.50 | 877.96 | 12,144.29 | 1,132.60 | 11,011.69 | 11,466.99 | 278.35 | ..... |
| | | 176.95 | ..... | 176.95 | ..... | ..... | ..... |
| 1,390.91 | 1,694.69 | 22,569.54 | 2,376.50 | 20,193.04 | 20,900.40 | 618.14 | ..... |
| | | 89.22 | ..... | 89.22 | ..... | ..... | ..... |
| 333.66 | 367.77 | 5,364.38 | 445.90 | 4,918.48 | 4,832.79 | ..... | 85.69 |
| 241.56 | 254.75 | 3,527.56 | 289.10 | 3,238.46 | 3,386.21 | 147.75 | ..... |
| 578.41 | 658.74 | 9,964.71 | 774.20 | 9,190.51 | 9,763.12 | 543.53 | ..... |
| | | 29.08 | ..... | 29.08 | ..... | ..... | ..... |
| 332.25 | 325.40 | 4,358.36 | 299.60 | 4,058.76 | 3,960.22 | ..... | 103.28 |
| | | 4.74 | ..... | 4.74 | ..... | ..... | ..... |
| 3,427.03 | 5,139.63 | 74,383.03 | 9,503.20 | 64,879.83 | 64,241.41 | ..... | 719.66 |
| | | 81.24 | ..... | 81.24 | ..... | ..... | ..... |
| 1,393.33 | 1,544.91 | 21,925.74 | 1,897.35 | 20,028.39 | 19,089.60 | ..... | 1,119.83 |
| | | 181.04 | ..... | 181.04 | ..... | ..... | ..... |
| 787.16 | 853.38 | 11,431.55 | 991.90 | 10,439.65 | 10,217.50 | ..... | 251.62 |
| | | 29.47 | ..... | 29.47 | ..... | ..... | ..... |
| 3,298.60 | 4,411.60 | 60,111.39 | 6,934.90 | 53,176.49 | 53,640.81 | ..... | 195.89 |
| | | 660.21 | ..... | 660.21 | ..... | ..... | ..... |
| 1,000.38 | 1,142.64 | 15,701.88 | 1,452.15 | 14,249.73 | 14,177.53 | ..... | 195.84 |
| | | 123.64 | ..... | 123.64 | ..... | ..... | ..... |
| 237.57 | 210.71 | 2,879.78 | 144.90 | 2,734.88 | 2,562.95 | ..... | 171.93 |
| 229.86 | 249.51 | 3,797.82 | 294.35 | 3,503.47 | 3,641.02 | 108.39 | ..... |
| | | 29.16 | ..... | 29.16 | ..... | ..... | ..... |
| 194.16 | 181.53 | 2,405.35 | 147.00 | 2,258.35 | 2,308.89 | 50.54 | ..... |
| 1,201.68 | 1,308.98 | 17,102.88 | 1,556.45 | 15,546.43 | 16,031.81 | 439.93 | ..... |
| | | 45.45 | ..... | 45.45 | ..... | ..... | ..... |
| 9,556.14 | 11,593.48 | 152,658.40 | 16,163.00 | 136,495.40 | 142,537.58 | 5,841.19 | ..... |
| | | 200.99 | ..... | 200.99 | ..... | ..... | ..... |
| 8,600.00 | 14,314.55 | 211,070.96 | 29,217.30 | 181,853.66 | 163,448.92 | ..... | 18,404.74 |
| 682.26 | 955.69 | 15,051.88 | 1,682.80 | 13,369.08 | 13,349.55 | ..... | 66.80 |
| | | 47.27 | ..... | 47.27 | ..... | ..... | ..... |
| 830.80 | 905.91 | 12,097.78 | 1,080.80 | 11,016.98 | 10,835.51 | ..... | 220.71 |
| | | 39.24 | ..... | 39.24 | ..... | ..... | ..... |
| 616.25 | 613.22 | 7,681.74 | 582.05 | 7,099.69 | 7,678.52 | 578.83 | ..... |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|----------------------|--|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Otterville..... | 43.00 | 45.00 | 29,556.65 | 74.4 | 644.69 | 1,168.30 | 1,448.44 |
| Water heater load | | | | 0.2 | | *9.62 | |
| Palmerston..... | 40.00 | 40.00 | 142,824.08 | 426.0 | 3,691.38 | 5,913.61 | 7,066.50 |
| Paris..... | 28.00 | 28.00 | 297,845.33 | 1,141.4 | 9,890.46 | 7,543.94 | 15,034.92 |
| Water heater load | | | | 6.5 | | *190.13 | |
| Parkhill..... | 62.00 | 62.00 | 66,838.16 | 123.6 | 1,071.02 | 2,503.14 | 3,210.62 |
| Petrolia..... | 40.00 | 40.00 | 294,973.29 | 841.4 | 7,290.91 | 8,812.17 | 14,516.75 |
| Water heater load | | | | 1.7 | | *65.35 | |
| Plattsville..... | 62.00 | 55.00 | 25,549.83 | 58.2 | 504.31 | 1,032.45 | 1,235.66 |
| Point Edward..... | 40.00 | 40.00 | 181,434.32 | 598.5 | 5,186.12 | 7,474.57 | 9,113.60 |
| Water heater load | | | | 0.3 | | *11.46 | |
| Port Colborne..... | 28.00 | 29.00 | 326,027.87 | 1,236.3 | 10,712.79 | 6,882.69 | 16,591.23 |
| Water heater load | | | | 1.8 | | *51.43 | |
| Port Credit..... | 32.00 | 33.00 | 146,493.51 | 509.1 | 4,411.45 | 5,391.31 | 7,403.53 |
| Water heater load | | | | 8.1 | | *285.77 | |
| Port Dalhousie..... | 30.00 | 30.00 | 125,066.91 | 478.6 | 4,147.17 | 4,034.79 | 6,348.79 |
| Water heater load | | | | 2.5 | | *77.96 | |
| Port Dover..... | 40.00 | 40.00 | 103,652.03 | 308.0 | 2,668.88 | 2,677.87 | 5,172.47 |
| Water heater load | | | | 0.4 | | *14.76 | |
| Port Rowan..... | 70.00 | 62.00 | 34,239.84 | 64.8 | 561.51 | 1,212.29 | 1,660.56 |
| Port Stanley..... | 40.00 | 40.00 | 117,916.25 | 354.9 | 3,075.28 | 3,691.39 | 5,841.61 |
| Water heater load | | | | 2.1 | | *80.11 | |
| Preston..... | 27.00 | 27.00 | 590,103.45 | 2,317.5 | 20,081.61 | 14,367.80 | 29,674.03 |
| Water heater load | | | | 1.7 | | *48.12 | |
| Princeton..... | 55.00 | 50.00 | 41,708.06 | 108.5 | 940.17 | 1,689.74 | 2,062.55 |
| Queenston..... | 29.00 | 29.00 | 19,215.98 | 80.5 | 697.55 | 598.73 | 983.37 |
| Richmond Hill..... | 38.00 | 36.00 | 87,579.54 | 285.9 | 2,477.38 | 1,570.56 | 4,419.89 |
| Water heater load | | | | 2.8 | | *87.83 | |
| Ridgetown..... | 38.00 | 38.00 | 138,133.11 | 416.9 | 3,612.52 | 4,687.34 | 6,856.71 |
| Water heater load | | | | 3.0 | | *116.71 | |
| Riverside..... | 33.00 | 33.00 | 365,935.70 | 1,109.9 | 9,617.52 | 7,745.21 | 18,306.73 |
| Water heater load | | | | 13.6 | | *470.72 | |
| Rockwood..... | 45.00 | 42.00 | 33,812.94 | 90.6 | 785.07 | 1,077.30 | 1,657.39 |
| Rodney..... | 45.00 | 45.00 | 51,045.63 | 126.0 | 1,091.82 | 2,049.76 | 2,506.29 |
| Water heater load | | | | 0.1 | | *4.93 | |
| St. Catharines..... | 21.50 | 23.00 | 1,677,014.61 | 7,787.9 | 67,483.73 | 35,020.25 | 87,042.16 |
| Water heater load | | | | 7.8 | | *187.36 | |
| St. Clair Beach..... | 38.00 | 38.00 | 26,701.07 | 73.8 | 639.49 | 786.90 | 1,322.23 |
| Water heater load | | | | 0.1 | | *4.05 | |
| St. George..... | 40.00 | 42.00 | 46,499.31 | 139.3 | 1,207.06 | 1,844.40 | 2,308.17 |
| St. Jacobs..... | 32.00 | 32.00 | 44,483.51 | 150.2 | 1,301.51 | 1,550.46 | 2,228.10 |
| Water heater load | | | | 0.6 | | *21.31 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 294.31 | 284.35 | 3,840.09 | 260.40 | 3,579.69 | 3,421.04 | | 168.27 |
| | | 9.62 | | 9.62 | | | |
| 1,273.91 | 1,346.44 | 19,291.84 | 1,491.00 | 17,800.84 | 17,470.53 | | 330.31 |
| 2,187.44 | 2,724.65 | 37,381.41 | 3,994.90 | 33,386.51 | 33,035.85 | | 540.79 |
| | | 190.13 | | 190.13 | | | |
| 753.65 | 658.62 | 8,197.05 | 432.60 | 7,764.45 | 7,851.52 | 87.07 | |
| 2,690.79 | 2,802.76 | 36,113.38 | 2,944.90 | 33,168.48 | 35,558.87 | 2,325.04 | |
| | | 65.35 | | 65.35 | | | |
| 266.98 | 248.05 | 3,287.45 | 203.70 | 3,083.75 | 3,342.15 | 258.40 | |
| 1,488.24 | 1,694.76 | 24,957.29 | 2,094.75 | 22,862.54 | 24,500.75 | 1,626.75 | |
| | | 11.46 | | 11.46 | | | |
| 2,478.68 | 2,987.48 | 39,652.87 | 4,327.05 | 35,325.82 | 36,635.66 | 1,258.41 | |
| | | 51.43 | | 51.43 | | | |
| 1,177.55 | 1,358.93 | 19,742.77 | 1,781.85 | 17,960.92 | 17,418.80 | | 827.89 |
| | | 285.77 | | 285.77 | | | |
| 932.22 | 1,136.30 | 16,599.27 | 1,675.10 | 14,924.17 | 14,812.26 | | 189.87 |
| | | 77.96 | | 77.96 | | | |
| 939.88 | 980.66 | 12,439.76 | 1,078.00 | 11,361.76 | 12,651.82 | 1,275.30 | |
| | | 14.76 | | 14.76 | | | |
| 384.23 | 337.23 | 4,155.82 | 226.80 | 3,929.02 | 4,223.02 | 294.00 | |
| 1,057.82 | 1,114.59 | 14,780.69 | 1,242.15 | 13,538.54 | 14,639.11 | 1,020.46 | |
| | | 80.11 | | 80.11 | | | |
| 4,211.53 | 5,374.28 | 73,709.25 | 8,111.25 | 65,598.00 | 64,424.94 | | 1,221.18 |
| | | 48.12 | | 48.12 | | | |
| 408.87 | 400.05 | 5,501.38 | 379.75 | 5,121.63 | 5,642.45 | 520.82 | |
| 133.20 | 173.33 | 2,586.18 | 281.75 | 2,304.43 | 2,393.63 | 89.20 | |
| 682.53 | 818.35 | 9,968.71 | 1,000.65 | 8,968.06 | 10,774.90 | 1,719.01 | |
| | | 87.83 | | 87.83 | | | |
| 1,217.79 | 1,303.77 | 17,678.13 | 1,459.15 | 16,218.98 | 16,377.65 | 41.96 | |
| | | 116.71 | | 116.71 | | | |
| 3,176.57 | 3,454.10 | 42,300.13 | 3,884.65 | 38,415.48 | 38,154.00 | | 732.20 |
| | | 470.72 | | 470.72 | | | |
| 326.39 | 323.35 | 4,169.50 | 317.10 | 3,852.40 | 3,955.87 | 103.47 | |
| 513.28 | 492.39 | 6,653.54 | 441.00 | 6,212.54 | 5,829.12 | | 388.35 |
| | | 4.93 | | 4.93 | | | |
| 9,952.14 | 14,827.83 | 214,326.11 | 27,257.65 | 187,068.46 | 182,199.37 | | 5,056.45 |
| | | 187.36 | | 187.36 | | | |
| 246.75 | 254.61 | 3,249.98 | 258.30 | 2,991.68 | 2,886.69 | | 109.04 |
| | | 4.05 | | 4.05 | | | |
| 419.20 | 439.41 | 6,218.24 | 487.55 | 5,730.69 | 5,946.36 | 215.67 | |
| 366.12 | 414.21 | 5,860.40 | 525.70 | 5,334.70 | 4,959.98 | | 396.03 |
| | | 21.31 | | 21.31 | | | |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|-------------------|--|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| St. Marys..... | 34.00 | 34.00 | 381,531.43 | 1,287.9 | 11,159.91 | 14,714.42 | 19,048.75 |
| Water heater load | | | | 1.2 | | *43.81 | |
| St. Thomas..... | 28.00 | 28.00 | 1,400,461.44 | 5,477.5 | 47,463.65 | 33,649.95 | 71,202.95 |
| Water heater load | | | | 79.4 | | *2,260.84 | |
| Sandwich..... | 32.00 | 32.00 | 871,576.59 | 2,795.5 | 24,223.29 | 17,556.07 | 43,669.04 |
| Water heater load | | | | 23.0 | | *749.43 | |
| Sarnia..... | 34.00 | 34.00 | 2,180,312.41 | 7,106.4 | 61,578.40 | 53,006.87 | 109,277.50 |
| Water heater load | | | | 14.6 | | *484.50 | |
| Scarboro twp..... | 32.00 | 32.00 | 778,069.11 | 2,609.8 | 22,614.45 | 15,956.34 | 39,302.60 |
| Water heater load | | | | 22.5 | | *638.37 | |
| Seaforth..... | 35.00 | 35.00 | 141,261.98 | 447.4 | 3,876.81 | 4,629.84 | 6,932.30 |
| Simcoe..... | 31.00 | 31.00 | 401,859.70 | 1,457.0 | 12,625.20 | 9,399.93 | 20,434.97 |
| Water heater load | | | | 3.2 | | *97.05 | |
| Springfield..... | 48.00 | 48.00 | 32,461.64 | 74.7 | 647.29 | 1,147.86 | 1,568.02 |
| Water heater load | | | | 0.2 | | *10.03 | |
| Stamford twp..... | 21.00 | 21.00 | 323,184.74 | 1,640.4 | 14,214.40 | 6,851.89 | 17,050.66 |
| Stouffville..... | 47.00 | 46.00 | 66,998.67 | 177.2 | 1,535.47 | 2,659.25 | 3,312.19 |
| Water heater load | | | | 0.4 | | *18.38 | |
| Stratford..... | 30.00 | 30.00 | 1,771,628.35 | 6,570.9 | 56,938.18 | 47,126.61 | 89,167.37 |
| Water heater load | | | | 29.9 | | *908.42 | |
| Strathroy..... | 34.00 | 34.00 | 259,714.56 | 886.1 | 7,678.24 | 6,659.11 | 13,015.23 |
| Water heater load | | | | 3.3 | | *107.20 | |
| Sutton..... | 60.00 | 55.00 | 75,446.90 | 166.6 | 1,443.62 | 2,942.92 | 3,693.38 |
| Tavistock..... | 36.00 | 37.00 | 147,072.54 | 468.1 | 4,056.19 | 4,646.14 | 7,322.64 |
| Tecumseh..... | 37.00 | 37.00 | 99,154.83 | 281.8 | 2,441.85 | 2,617.52 | 4,921.60 |
| Water heater load | | | | 2.4 | | *92.30 | |
| Thamesford..... | 40.00 | 40.00 | 50,370.02 | 151.0 | 1,308.45 | 2,072.47 | 2,491.05 |
| Water heater load | | | | 0.3 | | *12.46 | |
| Thamesville..... | 40.00 | 42.00 | 51,504.85 | 158.5 | 1,373.43 | 2,090.76 | 2,554.60 |
| Water heater load | | | | 0.1 | | *4.04 | |
| Thedford..... | 72.00 | 72.00 | 39,165.84 | 71.0 | 615.23 | 1,634.08 | 1,884.65 |
| Thorndale..... | 65.00 | 65.00 | 21,828.02 | 42.3 | 366.54 | 1,041.78 | 1,039.47 |
| Thorold..... | 25.00 | 25.00 | 406,622.06 | 1,786.1 | 15,476.92 | 9,193.55 | 21,151.01 |
| Water heater load | | | | 2.0 | | *51.32 | |
| Tilbury..... | 38.00 | 38.00 | 122,347.31 | 364.6 | 3,159.33 | 4,213.01 | 6,032.63 |
| Water heater load | | | | 0.5 | | *19.71 | |
| Tillsonburg..... | 33.00 | 33.00 | 245,130.88 | 803.8 | 6,965.09 | 6,515.49 | 12,217.02 |
| Water heater load | | | | 1.7 | | *57.62 | |
| Toronto..... | 26.10 | 26.10 | 62,399,625.24 | 243,637.2 | 2,111,165.76 | 1,074,540.53 | 3,177,443.27 |
| Water heater load | | | | 491.7 | | *13,072.83 | |
| Toronto twp..... | 32.00 | 32.00 | 429,947.25 | 1,553.1 | 13,457.93 | 12,364.36 | 21,873.62 |
| Water heater load | | | | 14.8 | | *449.57 | |
| Walkerville..... | 28.00 | 28.00 | 1,958,828.80 | 6,937.1 | 60,111.40 | 37,531.72 | 98,584.12 |
| Water heater load | | | | 53.2 | | *1,572.22 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|------------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,052.66 | 3,552.34 | 51,528.08 | 4,507.65 | 47,020.43 | 44,964.58 | ..... | 2,099.66 |
| ..... | ..... | 43.81 | ..... | 43.81 | ..... | ..... | ..... |
| 10,034.36 | 12,785.46 | 175,136.37 | 19,171.25 | 155,965.12 | 159,817.15 | 1,591.19 | ..... |
| ..... | ..... | 2,260.84 | ..... | 2,260.84 | ..... | ..... | ..... |
| 7,250.61 | 8,173.20 | 100,872.21 | 9,784.25 | 91,087.96 | 92,811.38 | 973.99 | ..... |
| ..... | ..... | 749.43 | ..... | 749.43 | ..... | ..... | ..... |
| 18,061.22 | 20,396.99 | 262,320.98 | 24,872.40 | 237,448.58 | 248,806.30 | 10,873.22 | ..... |
| ..... | ..... | 484.50 | ..... | 484.50 | ..... | ..... | ..... |
| 5,912.34 | 7,246.86 | 91,032.59 | 9,134.30 | 81,898.29 | 86,602.88 | 4,066.22 | ..... |
| ..... | ..... | 638.37 | ..... | 638.37 | ..... | ..... | ..... |
| 1,206.86 | 1,322.07 | 17,967.88 | 1,565.90 | 16,401.98 | 16,085.54 | ..... | 316.44 |
| 3,119.08 | 3,707.44 | 49,286.62 | 5,099.50 | 44,187.12 | 46,479.50 | 2,195.33 | ..... |
| ..... | ..... | 97.05 | ..... | 97.05 | ..... | ..... | ..... |
| 333.45 | 312.38 | 4,009.00 | 261.45 | 3,747.55 | 3,693.79 | ..... | 63.79 |
| ..... | ..... | 10.03 | ..... | 10.03 | ..... | ..... | ..... |
| 1,688.47 | 2,811.89 | 42,617.31 | 5,741.40 | 36,875.91 | 35,400.11 | ..... | 1,475.80 |
| 613.81 | 641.14 | 8,761.86 | 620.20 | 8,141.66 | 8,409.03 | 248.99 | ..... |
| ..... | ..... | 18.38 | ..... | 18.38 | ..... | ..... | ..... |
| 13,178.90 | 16,225.87 | 222,636.93 | 22,998.15 | 199,638.78 | 203,303.57 | 2,756.37 | ..... |
| ..... | ..... | 908.42 | ..... | 908.42 | ..... | ..... | ..... |
| 2,117.31 | 2,415.14 | 31,885.03 | 3,101.35 | 28,783.68 | 31,023.05 | 2,132.17 | ..... |
| ..... | ..... | 107.20 | ..... | 107.20 | ..... | ..... | ..... |
| 763.89 | 733.90 | 9,577.71 | 583.10 | 8,994.61 | 9,499.60 | 504.99 | ..... |
| 1,252.16 | 1,375.87 | 18,653.00 | 1,638.35 | 17,014.65 | 17,680.64 | 665.99 | ..... |
| 900.19 | 942.75 | 11,823.91 | 986.30 | 10,837.61 | 10,801.42 | ..... | 128.49 |
| ..... | ..... | 92.30 | ..... | 92.30 | ..... | ..... | ..... |
| 452.35 | 475.83 | 6,800.15 | 528.50 | 6,271.65 | 6,208.10 | ..... | 76.01 |
| ..... | ..... | 12.46 | ..... | 12.46 | ..... | ..... | ..... |
| 447.76 | 484.98 | 6,951.53 | 554.75 | 6,396.78 | 6,758.77 | 357.95 | ..... |
| ..... | ..... | 4.04 | ..... | 4.04 | ..... | ..... | ..... |
| 439.94 | 385.95 | 4,959.85 | 248.50 | 4,711.35 | 5,208.48 | 497.13 | ..... |
| 242.53 | 214.58 | 2,904.90 | 148.05 | 2,756.85 | 2,813.89 | 57.04 | ..... |
| 2,620.69 | 3,638.10 | 52,080.27 | 6,251.35 | 45,828.92 | 45,918.60 | 38.36 | ..... |
| ..... | ..... | 51.32 | ..... | 51.32 | ..... | ..... | ..... |
| 1,086.55 | 1,155.34 | 15,646.86 | 1,276.10 | 14,370.76 | 14,226.27 | ..... | 164.20 |
| ..... | ..... | 19.71 | ..... | 19.71 | ..... | ..... | ..... |
| 2,067.60 | 2,291.42 | 30,056.62 | 2,813.30 | 27,243.32 | 27,331.67 | 30.73 | ..... |
| ..... | ..... | 57.62 | ..... | 57.62 | ..... | ..... | ..... |
| 398,390.06 | 568,732.02 | 7,330,271.64 | 852,730.20 | 6,477,541.44 | 6,371,763.17 | ..... | 118,851.10 |
| ..... | ..... | 13,072.83 | ..... | 13,072.83 | ..... | ..... | ..... |
| 3,325.46 | 3,967.02 | 54,988.39 | 5,435.85 | 49,552.54 | 51,474.89 | 1,472.78 | ..... |
| ..... | ..... | 449.57 | ..... | 449.57 | ..... | ..... | ..... |
| 14,930.93 | 18,132.74 | 229,290.91 | 24,279.85 | 205,011.06 | 201,601.30 | ..... | 4,981.98 |
| ..... | ..... | 1,572.22 | ..... | 1,572.22 | ..... | ..... | ..... |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horsepower supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|--|-----------------|---|---|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Wallaceburg | 36.00 | 36.00 | 536,888.73 | 1,599.1 | 13,856.53 | 15,236.82 | 26,540.09 |
| Water heater load | | | | 1.5 | | *56.18 | |
| Wardsville | 60.00 | 62.00 | 15,388.76 | 31.4 | 272.09 | 712.64 | 745.50 |
| Waterdown | 34.00 | 32.00 | 59,051.71 | 200.3 | 1,735.64 | 1,517.32 | 2,939.41 |
| Waterford | 32.00 | 32.00 | 108,813.44 | 376.4 | 3,261.58 | 2,570.68 | 5,478.83 |
| Water heater load | | | | 0.6 | | *18.95 | |
| Waterloo | 27.00 | 27.00 | 779,764.29 | 2,972.8 | 25,759.92 | 18,102.97 | 39,525.10 |
| Water heater load | | | | 19.2 | | *554.48 | |
| Watford | 55.00 | 55.00 | 81,608.70 | 185.4 | 1,606.53 | 2,848.75 | 3,973.75 |
| Water heater load | | | | 0.4 | | *20.31 | |
| Welland | 23.00 | 24.00 | 805,460.13 | 3,578.5 | 31,008.43 | 15,801.84 | 41,559.71 |
| Water heater load | | | | 18.8 | | *463.42 | |
| Wellesley | 45.00 | 50.00 | 42,384.44 | 104.3 | 903.78 | 1,775.05 | 2,051.10 |
| West Lorne | 40.00 | 40.00 | 33,606.54 | 99.7 | 863.92 | 1,309.62 | 1,591.62 |
| Weston | 28.00 | 27.00 | 624,411.23 | 2,480.3 | 21,492.30 | 13,060.95 | 31,721.02 |
| Water heater load | | | | 24.0 | | *654.41 | |
| Wheatley | 51.00 | 50.00 | 58,482.83 | 120.3 | 1,042.42 | 1,755.51 | 2,846.46 |
| Water heater load | | | | 0.7 | | *37.37 | |
| Windsor | 28.00 | 28.00 | 5,614,408.38 | 19,926.6 | 172,668.05 | 105,468.55 | 282,389.10 |
| Water heater load | | | | 148.7 | | *4,368.81 | |
| Woodbridge | 35.00 | 35.00 | 90,450.77 | 292.9 | 2,538.04 | 2,415.68 | 4,513.01 |
| Water heater load | | | | 0.7 | | *24.03 | |
| Woodstock | 27.00 | 27.00 | 1,197,047.85 | 4,543.0 | 39,366.02 | 26,888.82 | 60,715.17 |
| Water heater load | | | | 21.8 | | *628.12 | |
| Wyoming | 54.00 | 56.00 | 28,007.53 | 61.2 | 530.31 | 978.50 | 1,358.50 |
| York East twp. | 32.00 | 32.00 | 1,255,879.25 | 4,883.1 | 42,313.05 | 48,399.06 | 64,534.53 |
| Water heater load | | | | 14.0 | | *451.97 | |
| York North twp. | 32.00 | 32.00 | 718,868.37 | 2,490.9 | 21,584.16 | 19,312.73 | 36,609.90 |
| Water heater load | | | | 29.9 | | *862.06 | |
| Zurich | 62.00 | 62.00 | 37,688.10 | 70.0 | 606.56 | 1,622.06 | 1,799.67 |
| Toronto Transportation Comm. | | | 93,886.13 | 335.8 | 2,909.78 | 3,023.24 | 3,952.48 |
| Sandwich, Windsor and Amherst- burg Railway Co. | | | 753,852.03 | 2,617.5 | 22,681.19 | 14,376.72 | 38,109.48 |
| Windsor, Essex and Lake Shore Railway Association | | | 5,306.50 | | | 106.18 | 182.99 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|-----------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 4,779.30 | 5,076.84 | 65,489.58 | 5,596.85 | 59,892.73 | 59,237.01 | ..... | 711.90 |
| ..... | ..... | 56.18 | ..... | 56.18 | ..... | ..... | ..... |
| 166.00 | 150.35 | 2,046.58 | 109.90 | 1,936.68 | 1,979.85 | 43.17 | ..... |
| 488.39 | 549.40 | 7,230.16 | 701.05 | 6,529.11 | 6,655.15 | 126.04 | ..... |
| 880.73 | 1,010.39 | 13,202.21 | 1,317.40 | 11,884.81 | 12,390.47 | 486.71 | ..... |
| ..... | ..... | 18.95 | ..... | 18.95 | ..... | ..... | ..... |
| 5,736.44 | 7,138.18 | 96,262.61 | 10,404.80 | 85,857.81 | 72,215.25 | ..... | 14,197.04 |
| ..... | ..... | 554.48 | ..... | 554.48 | ..... | ..... | ..... |
| 840.96 | 791.71 | 10,061.70 | 648.90 | 9,412.80 | 10,470.22 | 1,037.11 | ..... |
| ..... | ..... | 20.31 | ..... | 20.31 | ..... | ..... | ..... |
| 5,174.61 | 7,191.72 | 100,736.31 | 12,524.75 | 88,211.56 | 88,102.59 | ..... | 572.39 |
| ..... | ..... | 463.42 | ..... | 463.42 | ..... | ..... | ..... |
| 426.67 | 408.68 | 5,565.28 | 365.05 | 5,200.23 | 5,249.57 | 49.34 | ..... |
| 304.38 | 318.18 | 4,387.72 | 348.95 | 4,038.77 | 4,089.58 | 50.81 | ..... |
| 4,355.10 | 5,681.01 | 76,310.38 | 8,681.05 | 67,629.33 | 69,926.11 | 1,642.37 | ..... |
| ..... | ..... | 654.41 | ..... | 654.41 | ..... | ..... | ..... |
| 626.61 | 572.56 | 6,843.56 | 421.05 | 6,422.51 | 6,239.92 | ..... | 219.96 |
| ..... | ..... | 37.37 | ..... | 37.37 | ..... | ..... | ..... |
| 42,704.62 | 51,956.58 | 655,186.90 | 69,743.10 | 585,443.80 | 581,797.23 | ..... | 8,015.38 |
| ..... | ..... | 4,368.81 | ..... | 4,368.81 | ..... | ..... | ..... |
| 764.75 | 846.70 | 11,078.18 | 1,025.15 | 10,053.03 | 10,552.06 | 475.00 | ..... |
| ..... | ..... | 24.03 | ..... | 24.03 | ..... | ..... | ..... |
| 8,859.81 | 10,966.95 | 146,796.77 | 15,900.50 | 130,896.27 | 126,856.89 | ..... | 4,667.50 |
| ..... | ..... | 628.12 | ..... | 628.12 | ..... | ..... | ..... |
| 294.00 | 272.86 | 3,434.17 | 214.20 | 3,219.97 | 3,489.44 | 269.47 | ..... |
| 8,063.15 | 11,453.87 | 174,763.66 | 17,090.85 | 157,672.81 | 160,477.87 | 2,353.09 | ..... |
| ..... | ..... | 451.97 | ..... | 451.97 | ..... | ..... | ..... |
| 5,325.23 | 6,664.05 | 89,496.07 | 8,718.15 | 80,777.92 | 82,884.64 | 1,244.66 | ..... |
| ..... | ..... | 862.06 | ..... | 862.06 | ..... | ..... | ..... |
| 424.89 | 371.64 | 4,824.82 | 245.00 | 4,579.82 | 4,452.78 | ..... | 127.04 |
| 735.59 | 867.48 | 11,488.57 | 1,175.30 | 10,313.27 | 10,672.98 | 359.71 | ..... |
| 5,855.03 | 6,997.19 | 88,019.61 | 9,161.25 | 78,858.36 | 78,858.36 | ..... | ..... |
| 79.56 | 55.85 | 424.58 | ..... | 424.58 | 424.58 | ..... | ..... |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Acton R.P.D.—Erin, Esquesing and Nassagaweya twps..... | 3,104.79 | 10.0 | 86.65 | 81.09 | 156.29 |
| Ailsa Craig R.P.D.—Lobo, McGilivray and Williams E. twps.... | 2,210.48 | 5.6 | 48.52 | 70.68 | 109.76 |
| Alvinston R.P.D.—Brooke twp... | 2,618.61 | 3.2 | 27.73 | 82.53 | 125.04 |
| Amherstburg R.P.D.—Anderdon, Colchester N., Colchester S. and Malden twps..... | 181,730.18 | 525.8 | 4,556.18 | 4,264.16 | 9,029.26 |
| Water heater load | | 1.4 | | *49.38 | |
| Aylmer R.P.D.—Bayham, Dereham, Dorchester N., Dorchester S., Malahide and Yarmouth twps. | 77,966.32 | 240.0 | 2,079.64 | 2,048.85 | 3,882.98 |
| Water heater load | | 0.2 | | *7.16 | |
| Ayr R.P.D.—Blenheim, Dumfries N. and Dumfries S. twps..... | 12,056.11 | 42.5 | 368.28 | 365.40 | 611.57 |
| Baden R.P.D.—Blandford, Blenheim, Easthope N., Easthope S., Waterloo, Wellesley, Wilmot and Zorra E. twps..... | 101,853.72 | 345.7 | 2,995.56 | 2,560.46 | 5,149.91 |
| Water heater load | | 0.5 | | *16.61 | |
| Beamsville R.P.D.—Caistor, Clinton, Gainsborough, Grimsby N., Grimsby S., Louth, Pelham and Wainfleet twps..... | 303,243.58 | 1,058.3 | 9,170.38 | 9,265.10 | 15,312.80 |
| Water heater load | | 2.7 | | *90.36 | |
| Belle River R.P.D.—Maidstone and Rochester twps..... | 76,058.56 | 231.0 | 2,001.68 | 2,079.52 | 3,785.01 |
| Water heater load | | 0.3 | | *11.00 | |
| Blenheim R.P.D.—Raleigh and Harwich twps..... | 36,427.54 | 108.0 | 935.84 | 934.53 | 1,807.62 |
| Water heater load | | 0.2 | | *7.35 | |
| Bond Lake R.P.D.—King, Markham, Vaughan, Whitchurch and York N. twps..... | 274,590.50 | 823.9 | 7,139.26 | 4,822.34 | 13,748.87 |
| Water heater load | | 1.4 | | *52.29 | |
| Bothwell R.P.D.—Aldborough, Ekfrid, Mosa, Orford and Zone twps. | 36,758.70 | 94.8 | 821.46 | 1,158.35 | 1,802.30 |
| Brampton R.P.D.—Chinguacousy and Toronto twps..... | 32,509.88 | 119.5 | 1,035.49 | 1,448.57 | 1,652.62 |
| Water heater load | | 0.1 | | *3.57 | |
| Brant R.P.D.—Blenheim, Brantford, Burford, Dumfries S., Oakland and Onondaga twps..... | 117,042.00 | 437.6 | 3,791.89 | 3,884.31 | 5,963.95 |
| Water heater load | | 1.1 | | *35.85 | |
| Brigden R.P.D.—Moore and Sombra twps..... | 18,577.48 | 34.9 | 302.42 | 507.01 | 896.40 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 26.59 | 29.07 | 379.69 | 35.00 | 344.69 | 344.69 | see page | 185 |
| 21.88 | 21.22 | 272.06 | 19.60 | 252.46 | 252.46 | " | " |
| 32.69 | 26.42 | 294.41 | 11.20 | 283.21 | 283.21 | " | " |
| 1,630.36 | 1,724.45 | 21,204.41 49.38 | 1,840.30 | 19,364.11 49.38 | 19,413.49 | " | " |
| 686.82 | 733.70 | 9,431.99 7.16 | 840.00 | 8,591.99 7.16 | 8,599.15 | " | " |
| 95.90 | 111.61 | 1,552.76 | 148.75 | 1,404.01 | 1,404.01 | " | " |
| 834.73 | 947.76 | 12,488.42 16.61 | 1,209.95 | 11,278.47 16.61 | 11,295.08 | " | " |
| 2,482.64 | 2,808.43 | 39,039.35 90.36 | 3,704.05 | 35,335.30 90.36 | 35,425.66 | " | " |
| 659.53 | 717.77 | 9,243.51 11.00 | 808.50 | 8,435.01 11.00 | 8,446.01 | " | " |
| 325.10 | 344.51 | 4,347.60 7.35 | 378.00 | 3,969.60 7.35 | 3,976.95 | " | " |
| 2,299.97 | 2,592.08 | 30,602.52 52.29 | 2,883.65 | 27,718.87 52.29 | 27,771.16 | " | " |
| 355.70 | 351.74 | 4,489.55 | 331.80 | 4,157.75 | 4,157.75 | " | " |
| 248.18 | 299.17 | 4,684.03 3.57 | 418.25 | 4,265.78 3.57 | 4,269.35 | " | " |
| 881.40 | 1,074.61 | 15,596.16 35.85 | 1,531.60 | 14,064.56 35.85 | 14,100.41 | " | " |
| 206.79 | 183.04 | 2,095.66 | 122.15 | 1,973.51 | 1,973.51 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|---|-------------------------------|
| | | | | Operating, main-tenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Burford R.P.D.—Brantford, Burford, Oakland, Townsend and Windham twps..... | 46,086.19 | 154.3 | 1,337.04 | 1,180.55 | 2,333.79 |
| Caledonia R.P.D.—Ancaster, Barton, Binbrook, Caistor, Glandford, Grimsby S., Oneida, Onondaga and Seneca twps..... | 79,953.94 | 274.2 | 2,375.99 | 2,030.44 | 4,044.07 |
| Water heater load | | 0.8 | | *26.41 | |
| Chatham R.P.D. — Chatham, Dover E., Harwich and Raleigh twps..... | 114,530.24 | 403.4 | 3,495.54 | 2,763.43 | 5,776.23 |
| Water heater load | | 2.4 | | *74.80 | |
| Chippawa R.P.D.—Bertie, Crowland and Willoughby twps..... | 21,842.34 | 95.5 | 827.52 | 458.84 | 1,111.51 |
| Water heater load | | 0.1 | | *2.52 | |
| Clinton R.P.D.—Goderich, Hay, Hullett, Stanley and Tuckersmith twps..... | 42,317.15 | 116.2 | 1,006.90 | 1,504.21 | 2,098.24 |
| Delaware R.P.D.—Caradoc, Delaware, Ekfrid, Lobo, London, Southwold and Westminster twps..... | 80,489.11 | 277.8 | 2,407.20 | 1,889.76 | 4,037.79 |
| Water heater load | | 2.2 | | *69.37 | |
| Dorchester R.P.D.—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps..... | 90,019.08 | 290.0 | 2,512.91 | 2,512.71 | 4,474.21 |
| Water heater load | | 0.1 | | *3.39 | |
| Dresden R.P.D.—Camden, Chatham Gore and Dawn twps..... | 13,270.82 | 35.9 | 311.08 | 435.46 | 661.61 |
| Water heater load | | 0.4 | | *17.13 | |
| Drumbo R.P.D.—Blandford, Blenheim and Burford twps..... | 30,099.88 | 75.6 | 655.09 | 1,092.08 | 1,469.23 |
| Dundas R.P.D.—Ancaster, Beverly, Flamboro W., Flamboro E., Glanford and Nelson twps..... | 139,904.37 | 538.5 | 4,666.22 | 2,339.99 | 7,137.19 |
| Water heater load | | 0.7 | | *18.75 | |
| Dunnville R.P.D.—Canborough, Dunn and Moulton twps..... | 12,202.61 | 42.0 | 363.94 | 208.10 | 622.52 |
| Dutton R.P.D.—Aldborough and Dunwich twps..... | 38,951.00 | 118.4 | 1,025.97 | 1,320.52 | 1,957.84 |
| Water heater load | | 0.1 | | *3.64 | |
| Elmira R.P.D.—Peel, Pilkington and Woolwich twps..... | 25,736.54 | 79.9 | 692.35 | 572.51 | 1,298.99 |
| Water heater load | | 0.2 | | *6.89 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 383.25 | 429.78 | 5,664.41 | 540.05 | 5,124.36 | 5,124.36 | see page | 185 |
| 653.55 | 741.57 | 9,845.62 26.41 | 959.70 | 8,885.92 26.41 | 8,912.33 | " | " |
| 890.38 | 1,059.41 | 13,984.99 74.80 | 1,411.90 | 12,573.09 74.80 | 12,647.89 | " | " |
| 143.70 | 195.59 | 2,737.16 2.52 | 334.25 | 2,402.91 2.52 | 2,405.43 | " | " |
| 397.87 | 402.64 | 5,409.86 | 406.70 | 5,003.16 | 5,003.16 | " | " |
| 646.98 | 745.37 | 9,727.10 69.37 | 972.30 | 8,754.80 69.37 | 8,824.17 | " | " |
| 769.87 | 844.42 | 11,114.12 3.39 | 1,015.00 | 10,099.12 3.39 | 10,102.51 | " | " |
| 125.55 | 126.79 | 1,660.49 17.13 | 125.65 | 1,534.84 17.13 | 1,551.97 | see page | 187 |
| 300.45 | 289.68 | 3,806.53 | 264.60 | 3,541.93 | 3,541.93 | " | " |
| 1,030.96 | 1,279.03 | 16,453.39 18.75 | 1,884.75 | 14,568.64 18.75 | 14,587.39 | " | " |
| 101.75 | 113.35 | 1,409.66 | 147.00 | 1,262.66 | 1,262.66 | " | " |
| 347.08 | 367.75 | 5,019.16 3.64 | 414.40 | 4,604.76 3.64 | 4,608.40 | " | " |
| 225.85 | 242.17 | 3,031.87 6.89 | 279.65 | 2,752.22 6.89 | 2,759.11 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Elora R.P.D.—Garafraxa W., Nichol, Peel and Pilkington twps. | 32,226.45 | 95.0 | 823.20 | 837.64 | 1,602.43 |
| Water heater load | | 0.1 | | *3.63 | |
| Essex R.P.D.—Colchester N., Gosfield N., Gosfield S., Maidstone, Mersea, Rochester and Sandwich S. twps. | 59,990.02 | 181.0 | 1,568.40 | 1,266.55 | 2,984.28 |
| Water heater load | | 0.1 | | *3.47 | |
| Exeter R.P.D.—Biddulph, Bosanquet, Hay, Hibbert, Stephen, Tuckersmith and Usborne twps. | 103,284.53 | 266.4 | 2,308.41 | 3,204.10 | 5,098.93 |
| Water heater load | | 0.2 | | *8.72 | |
| Forest R.P.D.—Adelaide, Bosanquet, Plympton, Warwick and Williams W. twps. | 14,085.03 | 32.5 | 281.61 | 449.21 | 691.84 |
| Galt R.P.D.—Beverly, Dumfries N. and Dumfries S. twps. | 45,794.00 | 173.5 | 1,503.41 | 2,138.64 | 2,337.00 |
| Georgetown R.P.D.—Chingua-cousy, Erin and Esquesing twps. | 38,627.01 | 114.7 | 993.90 | 964.15 | 1,929.60 |
| Water heater load | | 0.3 | | *10.99 | |
| Goderich R.P.D.—Ashfield, Colborne, Goderich and Wawanosh W. twps. | 38,163.81 | 79.1 | 685.42 | 1,120.68 | 1,860.08 |
| Grantham R.P.D.—Grantham and Niagara twps. | 152,577.90 | 633.2 | 5,486.81 | 4,030.59 | 7,862.13 |
| Water heater load | | 1.9 | | *50.85 | |
| Guelph R.P.D.—Eramosa, Guelph, Nassagaweya and Puslinch twps. | 110,130.92 | 376.7 | 3,264.19 | 2,582.65 | 5,595.00 |
| Water heater load | | 2.5 | | *82.34 | |
| Haldimand R.P.D.—Cayuga N., Oneida, Rainham, Seneca and Walpole twps. | 71,822.50 | 188.9 | 1,636.87 | 2,562.94 | 3,535.78 |
| Harriston R.P.D.—Howick and Minto twps. | 6,937.15 | 16.9 | 146.44 | 297.74 | 342.15 |
| Harrow R.P.D.—Colchester N., Colchester S., Gosfield S. and Malden twps. | 122,159.62 | 341.5 | 2,959.17 | 2,980.49 | 6,088.41 |
| Water heater load | | 1.9 | | *73.46 | |
| Ingersoll R.P.D.—Dereham, Dorchester N., Nissouri E., Oxford N., Oxford W., Zorra E. and Zorra W. twps. | 103,967.57 | 323.5 | 2,803.19 | 3,092.39 | 5,200.00 |
| Water heater load | | 1.0 | | *31.82 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 293.66 | 305.05 | 3,861.98 3.63 | 332.50 | 3,529.48 3.63 | 3,533.11 | see page | 187 |
| 522.75 | 566.61 | 6,908.59 3.47 | 633.50 | 6,275.09 3.47 | 6,278.56 | " | " |
| 1,014.69 | 991.57 | 12,617.70 8.72 | 932.40 | 11,685.30 8.72 | 11,694.02 | " | " |
| 144.25 | 136.54 | 1,703.45 | 113.75 | 1,589.70 | 1,589.70 | " | " |
| 339.54 | 419.36 | 6,737.95 | 607.25 | 6,130.70 | 6,130.70 | " | " |
| 350.40 | 365.28 | 4,603.33 10.99 | 401.45 | 4,201.88 10.99 | 4,212.87 | " | " |
| 411.21 | 372.63 | 4,450.02 | 276.85 | 4,173.17 | 4,173.17 | " | " |
| 1,060.01 | 1,378.22 | 19,817.76 50.85 | 2,216.20 | 17,601.56 50.85 | 17,652.41 | " | " |
| 900.23 | 1,023.76 | 13,365.83 82.34 | 1,318.45 | 12,047.38 82.34 | 12,129.72 | " | " |
| 690.80 | 679.72 | 9,106.11 | 661.15 | 8,444.96 | 8,444.96 | " | " |
| 69.59 | 66.80 | 922.72 | 59.15 | 863.57 | 863.57 | " | " |
| 1,120.73 | 1,163.40 | 14,312.20 73.46 | 1,195.25 | 13,116.95 73.46 | 13,190.41 | " | " |
| 907.16 | 975.18 | 12,977.92 31.82 | 1,132.25 | 11,845.67 31.82 | 11,877.49 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| Jordan R.P.D.—Grantham, Louth, Pelham and Thorold twps..... | \$ c. 71,232.87 | 299.9 1.1 | \$ c. 2,598.70 | \$ c. 1,447.62 *28.65 | \$ c. 3,686.50 |
| Water heater load | | | | | |
| Keswick R.P.D.—Georgina, Gwillimbury N. and Gwillimbury E. twps..... | 156,132.01 | 405.3 0.1 | 3,512.00 | 5,489.59 *4.22 | 7,737.29 |
| Water heater load | | | | | |
| Kingsville R.P.D.—Gosfield N., Gosfield S., Mersea and Romney twps..... | 186,802.68 | 527.4 2.6 | 4,570.03 | 4,156.67 *84.55 | 9,224.31 |
| Water heater load | | | | | |
| Listowel R.P.D.—Elma, Grey, Maryborough, Mornington, Peel, Wallace and Wellesley twps..... | 40,298.27 | 126.4 | 1,095.28 | 1,421.62 | 2,019.93 |
| London R.P.D.—Delaware, Lobo, London, Nissouri W. and Westminster twps..... | 403,592.61 | 1,394.0 10.2 | 12,079.29 | 9,234.49 *274.40 | 20,384.83 |
| Water heater load | | | | | |
| Lucan R.P.D.—Biddulph, London, McGillivray and Stephen twps... | 17,375.23 | 56.2 0.2 | 486.99 | 526.26 *7.11 | 864.32 |
| Water heater load | | | | | |
| Lynden R.P.D.—Ancaster, Beverly, Brantford and Dumfries S. twps..... | 50,814.70 | 159.2 0.2 | 1,379.50 | 1,590.52 *7.64 | 2,529.42 |
| Water heater load | | | | | |
| Markham R.P.D.—Markham, Pickering, Scarboro, Uxbridge and Whitchurch twps..... | 123,874.94 | 393.7 0.2 | 3,411.49 | 3,251.39 *7.14 | 6,224.77 |
| Water heater load | | | | | |
| Merlin R.P.D.—Raleigh, Romney and Tilbury E. twps..... | 62,717.77 | 159.0 | 1,377.77 | 2,210.67 | 3,111.42 |
| Milton R.P.D.—Esquesing, Nassagaweya, Nelson and Trafalgar twps..... | 45,477.32 | 147.8 0.1 | 1,280.72 | 1,963.19 *3.94 | 2,291.91 |
| Water heater load | | | | | |
| Milverton R.P.D.—Ellice, Elma, Mornington and Wellesley twps.. | 21,126.93 | 65.8 | 570.17 | 613.19 | 1,058.43 |
| Mitchell R.P.D.—Downie, Ellice, Elma, Fullarton, Hibbert, Logan and McKillop twps..... | 54,581.38 | 169.2 0.3 | 1,466.15 | 1,399.70 *10.73 | 2,726.50 |
| Water heater load | | | | | |
| Newmarket R.P.D.—Georgina, Gwillimbury E., King, Scott, Uxbridge and Whitchurch twps.... | 70,499.35 | 215.7 0.2 | 1,869.08 | 2,012.75 *6.83 | 3,521.46 |
| Water heater load | | | | | |
| Niagara R.P.D.—Niagara and Stamford twps..... | 77,552.95 | 346.1 2.0 | 2,999.02 | 2,077.39 *52.30 | 3,974.55 |
| Water heater load | | | | | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|-----------------|------------------------------|--|---|---|--|--------------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ 483.58 c. | \$ 641.42 c. | \$ 8,857.82 c. 28.65} | \$ 1,049.65 c. | \$ 7,808.17 c. 28.65} | \$ 7,836.82 c. | \$ see page c. | \$ 187 c. |
| 1,447.19 | 1,496.78 | 19,682.85 4.22} | 1,418.55 | 18,264.30 4.22} | 18,268.52 | " | " |
| 1,703.20 | 1,777.33 | 21,431.54 84.55} | 1,845.90 | 19,585.64 84.55} | 19,670.19 | " | " |
| 346.79 | 377.61 | 5,261.23 | 442.40 | 4,818.83 | 4,818.83 | " | " |
| 3,251.68 | 3,743.82 | 48,694.11 274.40} | 4,879.00 | 43,815.11 274.40} | 44,089.51 | see page | 189 |
| 146.86 | 162.01 | 2,186.44 7.11} | 196.70 | 1,989.74 7.11} | 1,996.85 | " | " |
| 444.87 | 476.47 | 6,420.78 7.64} | 557.20 | 5,863.58 7.64} | 5,871.22 | " | " |
| 989.08 | 1,161.43 | 15,038.16 7.14} | 1,377.95 | 13,660.21 7.14} | 13,667.35 | " | " |
| 617.15 | 604.43 | 7,921.44 | 556.50 | 7,364.94 | 7,364.94 | " | " |
| 385.96 | 425.48 | 6,347.26 3.94} | 517.30 | 5,829.96 3.94} | 5,833.90 | " | " |
| 182.76 | 198.13 | 2,622.68 | 230.30 | 2,392.38 | 2,392.38 | " | " |
| 473.79 | 512.19 | 6,578.33 10.73} | 592.20 | 5,986.13 10.73} | 5,996.86 | " | " |
| 580.37 | 663.33 | 8,646.99 6.83} | 754.95 | 7,892.04 6.83} | 7,898.87 | " | " |
| 496.73 | 691.88 | 10,239.57 52.30} | 1,211.35 | 9,028.22 52.30} | 9,080.52 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Norwich R.P.D.—Burford, Dereham, Middleton, Norwich N., Norwich S., Oxford E. and Windham twps..... | 76,245.00 | 241.6 | 2,093.51 | 2,001.28 | 3,781.35 |
| Water heater load | | 0.6 | | *20.88 | |
| Oil Springs R.P.D. — Brooke, Dawn, Enniskillen and Euphemia twps..... | 15,976.46 | 41.6 | 360.47 | 464.54 | 786.05 |
| Palmerston R.P.D.—Arthur, Maryborough, Minto, Peel and Wallace twps..... | 16,763.38 | 50.0 | 433.26 | 615.21 | 840.75 |
| Petrolia R.P.D.—Enniskillen, Moore, Plympton and Sarnia twps | 8,745.06 | 25.3 | 219.23 | 245.56 | 434.63 |
| Preston R.P.D.—Dumfries N., Guelph, Puslinch, Waterloo and Woolwich twps..... | 239,163.10 | 849.0 | 7,356.76 | 5,318.19 | 12,110.32 |
| Water heater load | | 1.2 | | *33.78 | |
| Ridgetown R.P.D.—Aldborough, Harwich, Howard, Orford and Rondeau Park twps..... | 95,655.14 | 244.9 | 2,122.11 | 3,125.96 | 4,689.57 |
| Water heater load | | 1.1 | | *48.79 | |
| St. Jacobs R.P.D.—Peel, Waterloo, Wellesley and Woolwich twps.... | 71,027.26 | 237.6 | 2,058.84 | 1,828.64 | 3,573.40 |
| Water heater load | | 0.2 | | *6.57 | |
| St. Marys R.P.D.—Blanshard, Downie, Fullarton, Nissouri E., Nissouri W. and Usborne twps... | 65,182.98 | 185.4 | 1,606.53 | 2,155.39 | 3,242.36 |
| St. Thomas R.P.D.—Dunwich, Southwold, Westminster and Yarmouth twps..... | 127,738.17 | 455.2 | 3,944.40 | 3,164.90 | 6,447.38 |
| Water heater load | | 3.2 | | *99.59 | |
| Saltfleet R.P.D.—Barton, Binbrook, Grimsby N. and Saltfleet twps..... | 264,433.70 | 875.3 | 7,584.65 | 6,093.66 | 13,201.52 |
| Water heater load | | 1.3 | | *36.84 | |
| Sandwich R.P.D.—Anderdon, Colchester N., Maidstone, Sandwich E., Sandwich W. and Sandwich S. twps..... | 265,738.12 | 874.4 | 7,576.86 | 5,202.50 | 13,286.18 |
| Water heater load | | 2.4 | | *75.89 | |
| Sarnia R.P.D.—Moore, Plympton and Sarnia twps..... | 167,396.36 | 493.7 | 4,278.01 | 4,485.74 | 8,337.84 |
| Water heater load | | 2.6 | | *96.93 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 660.00 | 715.79 | 9,251.93 } 20.88 | 845.60 | 8,406.33 } 20.88 | 8,427.21 | see page | 189 |
| 154.00 | 153.23 | 1,918.29 | 145.60 | 1,772.69 | 1,772.69 | " | " |
| 149.52 | 158.04 | 2,196.78 | 175.00 | 2,021.78 | 2,021.78 | " | " |
| 79.05 | 82.97 | 1,061.44 | 88.55 | 972.89 | 972.89 | " | " |
| 1,886.91 | 2,211.21 | 28,883.39 } 33.78 | 2,971.50 | 25,911.89 } 33.78 | 25,945.67 | " | " |
| 933.03 | 918.68 | 11,789.35 } 48.79 | 857.15 | 10,932.20 } 48.79 | 10,980.99 | " | " |
| 589.06 | 662.17 | 8,712.11 } 6.57 | 831.60 | 7,880.51 } 6.57 | 7,887.08 | " | " |
| 593.47 | 619.41 | 8,217.16 | 648.90 | 7,568.26 | 7,568.26 | " | " |
| 1,004.21 | 1,182.08 | 15,742.97 } 99.59 | 1,593.20 | 14,149.77 } 99.59 | 14,249.36 | " | " |
| 2,231.53 | 2,469.16 | 31,580.52 } 36.84 | 3,063.55 | 28,516.97 } 36.84 | 28,553.81 | " | " |
| 2,158.49 | 2,479.68 | 30,703.71 } 75.89 | 3,060.40 | 27,643.31 } 75.89 | 27,719.20 | " | " |
| 1,493.63 | 1,584.73 | 20,179.95 } 96.93 | 1,727.95 | 18,452.00 } 96.93 | 18,548.93 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Scarboro R.P.D.—Pickering, Scarboro and York N. twps..... | 99,385.27 | 300.6 | 2,604.76 | 1,677.34 | 4,982.47 |
| Water heater load | | 1.1 | | *29.82 | |
| Seaforth R.P.D.—Hibbert, Hullett, McKillop and Tuckersmith twps..... | 16,950.28 | 51.7 | 447.99 | 518.88 | 847.97 |
| Simcoe R.P.D.—Charlotteville, Townsend, Walpole, Windham and Woodhouse twps..... | 57,483.39 | 202.3 | 1,752.97 | 1,839.38 | 2,917.91 |
| Water heater load | | 2.5 | | *83.65 | |
| Stamford R.P.D.—Stamford and Thorold twps..... | 37,543.95 | 159.4 | 1,381.24 | 723.64 | 1,934.38 |
| Stratford R.P.D.—Downie, Easthope N., Easthope S. and Ellice twps..... | 40,881.40 | 150.7 | 1,305.85 | 1,075.45 | 2,054.35 |
| Water heater load | | 0.3 | | *9.14 | |
| Strathroy R.P.D.—Adelaide, Caradoc, Ekfrid, Lobo, Metcalfe and Williams E. twps..... | 30,824.41 | 89.2 | 772.94 | 1,085.28 | 1,537.58 |
| Streetsville R.P.D.—Chingwacousy, Esquesing, Toronto and Trafalgar twps..... | 90,613.06 | 270.2 | 2,341.34 | 3,067.42 | 4,513.87 |
| Water heater load | | 0.6 | | *23.90 | |
| Tavistock R.P.D.—Easthope N., Easthope S., Ellice and Zorra E. twps..... | 44,994.85 | 143.3 | 1,241.73 | 1,297.06 | 2,246.02 |
| Thamesville R.P.D.—Camden, Chatham, Euphemia, Harwich, Howard, Orford and Zone twps.. | 31,715.30 | 97.6 | 845.72 | 885.05 | 1,588.71 |
| Water heater load | | 0.3 | | *10.92 | |
| Tilbury R.P.D.—Dover W., Mersea, Rochester, Romney, Tilbury E., Tilbury W. and Tilbury N. twps..... | 53,383.43 | 158.0 | 1,369.10 | 1,566.46 | 2,672.49 |
| Water heater load | | 0.1 | | *3.82 | |
| Tillsonburg R.P.D.—Bayham, Dereham, Dorchester S., Houghton, Malahide, Middleton, Norwich N., Norwich S. and Walsingham N. twps..... | 95,102.09 | 290.7 | 2,518.98 | 2,447.83 | 4,700.37 |
| Water heater load | | 1.3 | | *46.45 | |
| Wallaceburg R.P.D.—Chatham, Dover E. and Sombra twps..... | 61,583.45 | 179.6 | 1,556.28 | 1,872.84 | 3,042.59 |
| Water heater load | | 0.5 | | *19.57 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 827.51 | 937.54 | 11,029.62 } 29.82 } | 1,052.10 | 9,977.52 } 29.82 } | 10,007.34 | see page | 189 |
| 148.85 | 159.37 | 2,123.06 | 180.95 | 1,942.11 | 1,942.11 | see page | 191 |
| 458.38 | 532.52 | 7,501.16 } 83.65 } | 708.05 | 6,793.11 } 83.65 } | 6,876.76 | " | " |
| 252.73 | 337.90 | 4,629.89 | 557.90 | 4,071.99 | 4,071.99 | " | " |
| 306.03 | 374.77 | 5,116.45 } 9.14 } | 527.45 | 4,589.00 } 9.14 } | 4,598.14 | " | " |
| 282.79 | 292.01 | 3,970.60 | 312.20 | 3,658.40 | 3,658.40 | " | " |
| 817.72 | 856.54 | 11,596.89 } 23.90 } | 945.70 | 10,651.19 } 23.90 } | 10,675.09 | " | " |
| 382.89 | 420.90 | 5,588.60 | 501.55 | 5,087.05 | 5,087.05 | " | " |
| 275.71 | 298.63 | 3,893.82 } 10.92 } | 341.60 | 3,552.22 } 10.92 } | 3,563.14 | " | " |
| 476.33 | 504.51 | 6,588.89 } 3.82 } | 553.00 | 6,035.89 } 3.82 } | 6,039.71 | " | " |
| 842.21 | 895.02 | 11,404.41 } 46.45 } | 1,017.45 | 10,386.96 } 46.45 } | 10,433.41 | " | " |
| 556.02 | 583.70 | 7,611.43 } 19.57 } | 628.60 | 6,982.83 } 19.57 } | 7,002.40 | " | " |

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, main-tenance and adminis-trative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Walsingham R.P.D.—Charlotteville, Houghton, Middleton, Walsingham N., Walsingham S. and Windham twps..... | 60,798.60 | 133.0 | 1,152.47 | 1,692.29 | 2,980.25 |
| Water heater load | | 0.5 | | *24.80 | |
| Walton R.P.D.—Grey, Hullett, McKillop, Morris, Wawanosh E. and Wawanosh W. twps..... | 35,873.12 | 85.5 | 740.87 | 1,215.98 | 1,759.75 |
| Water heater load | | 0.1 | | *4.83 | |
| Waterdown R.P.D.—Flamboro E., Flamboro W. and Nelson twps... | 203,660.56 | 651.4 | 5,644.51 | 4,376.74 | 10,195.13 |
| Water heater load | | 9.5 | | *286.45 | |
| Waterford R.P.D.—Townsend, and Windham twps..... | 45,907.50 | 158.8 | 1,376.04 | 1,008.90 | 2,325.73 |
| Water heater load | | 0.3 | | *9.36 | |
| Watford R.P.D.—Adelaide, Metcalfe and Warwick twps..... | 8,749.66 | 20.8 | 180.24 | 273.29 | 431.75 |
| Welland R.P.D.—Bertie, Crowland, Humberstone, Moulton, Pelham, Thorold, Wainfleet, and Willoughby twps..... | 262,740.63 | 1,012.1 | 8,770.05 | 7,933.46 | 13,324.10 |
| Water heater load | | 3.5 | | *99.10 | |
| Woodbridge R.P.D.—Albion, Chinguacousy, Etobicoke, King, Toronto, Toronto Gore, Vaughan and York N. twps..... | 165,290.75 | 525.6 | 4,554.43 | 3,631.92 | 8,256.37 |
| Water heater load | | 1.9 | | *63.68 | |
| Woodstock R.P.D.—Blandford, Blenheim, Burford, Oxford E., Oxford N., Oxford W., Zorra E. and Zorra W. twps..... | 137,723.61 | 479.6 | 4,155.83 | 2,868.08 | 6,929.98 |
| Water heater load | | 1.5 | | *45.85 | |
| Totals Municipalities..... | 144,023,104.06 | 552,272.6 | 4,785,554.05 | 2,921,649.15 | 7,314,488.01 |
| Water heater loads..... | | 1,851.7 | | *52,502.48 | |
| Totals—Rural Power Districts..... | 7,289,267.28 | 23,605.2 | 204,543.91 | 190,563.18 | 365,513.99 |
| Water heater loads..... | | 76.7 | | *2,429.87 | |
| Totals—Companies..... | 45,468,930.88 | 197,579.4 | 1,712,065.60 | 974,752.47 | 2,399,216.15 |
| Totals—Local distribution systems..... | 1,406,334.62 | 4,182.6 | 36,243.07 | 100,542.47 | 72,329.47 |
| Water heater loads..... | | 19.4 | | *628.72 | |
| Non-operating capital..... | 102,132.57 | | | | |
| Grand total..... | 198,289,769.41 | 779,587.6 | 6,738,406.63 | 4,243,068.34 | 10,151,547.62 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Total cost of power for year | Amount appropriated from contingency reserve and proportionately applied in reduction of such cost | Amounts charged to each municipality in respect of power supplied to it in the year | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality | |
|-------------------------|--------------|------------------------------|--|---|---|--|---------------|
| Renewals | Sinking fund | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 646.45 | 592.35 | 7,063.81 | 465.50 | 6,598.31 | 6,623.11 | see page | 191 |
| ..... | ..... | 24.80 | ..... | 24.80 | ..... | ..... | ..... |
| 363.79 | 346.13 | 4,426.52 | 299.25 | 4,127.27 | 4,132.10 | " | " |
| ..... | ..... | 4.83 | ..... | 4.83 | ..... | ..... | ..... |
| 1,762.59 | 1,909.05 | 23,888.02 | 2,279.90 | 21,608.12 | 21,894.57 | " | " |
| ..... | ..... | 286.45 | ..... | 286.45 | ..... | ..... | ..... |
| 371.57 | 426.27 | 5,508.51 | 555.80 | 4,952.71 | 4,962.07 | " | " |
| ..... | ..... | 9.36 | ..... | 9.36 | ..... | ..... | ..... |
| 88.49 | 84.54 | 1,058.31 | 72.80 | 985.51 | 985.51 | " | " |
| | | | | | | | |
| 1,981.39 | 2,401.87 | 34,410.87 | 3,542.35 | 30,868.52 | 30,967.62 | " | " |
| ..... | ..... | 99.10 | ..... | 99.10 | ..... | ..... | ..... |
| 1,417.98 | 1,551.42 | 19,412.12 | 1,839.60 | 17,572.52 | 17,636.20 | " | " |
| ..... | ..... | 63.68 | ..... | 63.68 | ..... | ..... | ..... |
| 1,105.60 | 1,277.31 | 16,336.80 | 1,678.60 | 14,658.20 | 14,704.05 | " | " |
| ..... | ..... | 45.85 | ..... | 45.85 | ..... | ..... | ..... |
| 1,003,146.46 | 1,317,126.56 | 17,341,964.23 | 1,932,954.10 | 15,409,010.13 | 15,215,450.86 | 74,541.31 | 320,603.06 |
| ..... | ..... | 52,502.48 | ..... | 52,502.48 | ..... | ..... | ..... |
| 61,478.48 | 68,199.06 | 890,298.62 | 82,618.20 | 807,680.42 | 810,110.29 | ..... | ..... |
| ..... | ..... | 2,429.87 | ..... | 2,429.87 | ..... | ..... | ..... |
| 288,709.67 | 422,132.40 | 5,796,876.29 | ..... | 5,796,876.29 | 3,590,229.96 | ..... | 2,206,646.33† |
| | | | | | | | |
| 23,444.26 | 8,870.62 | 241,429.89 | ..... | 241,429.89 | 227,670.51 | ..... | 14,388.10† |
| ..... | ..... | 628.72 | ..... | 628.72 | ..... | ..... | ..... |
| | | | | | | | |
| 1,376,778.87 | 1,816,328.64 | 24,326,130.10 | 2,015,572.30 | 22,310,557.80 | 19,843,461.62 | 74,541.31 | 2,541,637.49 |

†Written off to contingency reserve.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Acton R.P.D.—Erin, Esquesing and Nassagaweya twps..... | 14,921.66 | 7,460.83 | 7,460.83 | 344.69 |
| Ailsa Craig R.P.D.—Lobo, McGillivray and Williams E. twps..... | 9,208.19 | 4,604.10 | 4,604.09 | 252.46 |
| Alvinston R.P.D.—Brooke twp..... | 5,447.60 | 2,723.80 | 2,723.80 | 283.21 |
| Amherstburg R.P.D.—Anderdon, Colchester N., Colchester S., and Malden twps.. | 139,175.07 | 69,502.03 | 69,673.04 | 19,413.49 |
| Aylmer R.P.D.—Bayham, Dereham, Dorchester N., Dorchester S., Malahide and Yarmouth twps..... | *191,391.87 | 93,840.30 | 97,551.57 | 8,599.15 |
| Ayr R.P.D.—Blenheim, Dumfries N. and Dumfries S. twps..... | *41,231.34 | 20,580.18 | 20,651.16 | 1,404.01 |
| Baden R.P.D.—Blandford, Blenheim, Easthope N., Easthope S., Waterloo, Wellesley, Wilmot and Zorra E. twps..... | *168,426.20 | 83,853.79 | 84,572.41 | 11,295.08 |
| Beamsville R.P.D.—Caistor, Clinton, Gainsborough, Grimsby N., Grimsby S., Louth, Pelham and Wainfleet twps.... | 352,966.94 | 170,410.90 | 182,556.04 | 35,425.66 |
| Belle River R.P.D.—Maidstone and Rochester twps..... | 87,817.60 | 43,832.64 | 43,984.96 | 8,446.01 |
| Blenheim R.P.D.—Raleigh and Harwich twps..... | *107,444.50 | 52,732.90 | 54,711.60 | 3,976.95 |
| Bond Lake R.P.D.—King, Markham, Vaughan, Whitchurch and York N. twps. | 331,890.87 | 165,945.43 | 165,945.44 | 27,771.16 |
| Bothwell R.P.D.—Aldborough, Ekfrid, Mosa, Orford and Zone twps..... | *54,334.84 | 26,835.40 | 27,499.44 | 4,157.75 |
| Brampton R.P.D.—Chinguacousy and Toronto twps..... | 78,385.00 | 39,192.50 | 39,192.50 | 4,269.35 |
| Brant R.P.D.—Blenheim, Brantford, Burford, Dumfries S., Oakland and Onondaga twps..... | *227,466.48 | 112,622.33 | 114,844.15 | 14,100.41 |
| Brigden R.P.D.—Moore and Sombra twps. | 54,675.09 | 27,337.54 | 27,337.55 | 1,973.51 |
| Burford R.P.D.—Brantford, Burford, Oakland, Townsend and Windham twps.... | 93,034.23 | 46,517.11 | 46,517.12 | 5,124.36 |
| Caledonia R.P.D.—Ancaster, Barton, Binbrook, Caistor, Glanford, Grimsby S., Oneida, Onondaga and Seneca twps..... | 202,096.52 | 100,802.33 | 101,294.19 | 8,912.33 |
| Chatham R.P.D.—Chatham, Dover E., Harwich and Raleigh twps..... | 258,017.35 | 129,008.68 | 129,008.67 | 12,647.89 |
| Chippawa R.P.D.—Bertie, Crowland and Willoughby twps..... | 58,104.36 | 29,049.30 | 29,055.06 | 2,405.43 |
| Clinton R.P.D.—Goderich, Hay, Hullett, Stanley and Tuckersmith twps..... | 126,143.80 | 62,133.13 | 64,010.67 | 5,003.16 |
| Delaware R.P.D.—Caradoc, Delaware, Ekfrid, Lobo, London, Southwold and Westminster twps..... | *225,463.84 | 111,784.97 | 113,678.87 | 8,824.17 |
| Dorchester R.P.D.—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps..... | *202,777.92 | 100,397.32 | 102,380.60 | 10,102.51 |

Items marked * include portions of transmission lines aggregating \$44,995.90 used for

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

Distribution costs and fixed charges

| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| | | | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 363.43 | 342.50 | 295.48 | 147.74 | 77.79 | 1,571.63 | 1,320.29 | ..... | 251.34 |
| 172.75 | 212.76 | 183.55 | 91.78 | 48.32 | 961.62 | 887.13 | ..... | 74.49 |
| 103.97 | 126.25 | 108.92 | 54.46 | 28.67 | 705.48 | 509.05 | ..... | 196.43 |
| 4,658.70 | 3,163.51 | 2,725.81 | 1,362.91 | 718.47 | 32,042.89 | 35,200.71 | 3,157.82 | ..... |
| 8,122.59 | 4,460.49 | 3,775.46 | 1,887.72 | 1,013.03 | 27,858.44 | 29,452.53 | 1,594.09 | ..... |
| 1,645.75 | 940.85 | 810.27 | 405.14 | 213.68 | 5,419.70 | 4,144.44 | ..... | 1,275.26 |
| 5,396.50 | 3,847.76 | 3,305.17 | 1,652.59 | 873.87 | 26,370.97 | 23,050.86 | ..... | 3,320.11 |
| 18,260.59 | 8,324.96 | 6,942.95 | 3,471.47 | 1,890.69 | 74,316.32 | 75,426.87 | 1,110.55 | ..... |
| 3,818.06 | 2,027.58 | 1,746.20 | 873.09 | 460.48 | 17,371.42 | 18,957.35 | 1,585.93 | ..... |
| 4,372.49 | 2,511.95 | 2,127.54 | 1,063.78 | 570.50 | 14,623.21 | 17,018.78 | 2,395.57 | ..... |
| 15,107.11 | 7,385.44 | 6,371.59 | 3,185.80 | 1,677.32 | 61,498.42 | 66,163.80 | 4,665.38 | ..... |
| 3,044.02 | 1,319.28 | 1,124.90 | 562.45 | 299.62 | 10,508.02 | 9,997.89 | ..... | 510.13 |
| 2,722.51 | 1,800.60 | 1,553.42 | 776.70 | 408.94 | 11,531.52 | 10,070.38 | ..... | 1,461.14 |
| 9,268.69 | 5,309.03 | 4,535.79 | 2,267.90 | 1,205.74 | 36,687.56 | 31,473.27 | ..... | 5,214.29 |
| 1,444.14 | 1,260.43 | 1,087.40 | 543.70 | 286.26 | 6,595.44 | 5,402.89 | ..... | 1,192.55 |
| 3,509.26 | 2,119.38 | 1,828.44 | 914.22 | 481.34 | 13,977.00 | 13,597.80 | ..... | 379.20 |
| 7,089.00 | 4,655.48 | 4,006.55 | 2,003.28 | 1,057.31 | 27,723.95 | 25,038.94 | ..... | 2,685.01 |
| 11,594.53 | 5,864.93 | 5,059.80 | 2,529.90 | 1,331.99 | 39,029.04 | 38,880.56 | ..... | 148.48 |
| 2,528.07 | 1,340.72 | 1,156.56 | 578.28 | 304.49 | 8,313.55 | 8,287.66 | ..... | 25.89 |
| 4,269.70 | 2,865.62 | 2,434.69 | 1,217.35 | 650.82 | 16,441.34 | 15,169.53 | ..... | 1,271.81 |
| 9,035.36 | 5,179.34 | 4,430.46 | 2,215.23 | 1,176.29 | 30,860.85 | 30,609.57 | ..... | 251.28 |
| 8,316.19 | 4,669.84 | 3,986.24 | 1,993.12 | 1,060.58 | 30,128.48 | 30,551.38 | 422.90 | ..... |

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Dresden R.P.D.—Camden, Chatham Gore and Dawn twps. | 36,380.21 | 18,190.11 | 18,190.10 | 1,551.97 |
| Drumbo R.P.D.—Blandford, Blenheim and Burford twps. | *99,987.72 | 49,594.18 | 50,393.54 | 3,541.93 |
| Dundas R.P.D.—Ancaster, Beverly, Flamboro W., Flamboro E., Glanford and Nelson twps. | 241,776.43 | 117,420.14 | 124,356.29 | 14,587.39 |
| Dunnville R.P.D.—Canborough, Dunn and Moulton twps. | 42,560.74 | 21,280.37 | 21,280.37 | 1,262.66 |
| Dutton R.P.D.—Aldborough and Dunwich twps. | 73,501.93 | 36,750.97 | 36,750.96 | 4,608.40 |
| Elmira R.P.D.—Peel, Pilkington and Woolwich twps. | 34,874.17 | 17,437.09 | 17,437.08 | 2,759.11 |
| Elora R.P.D.—Garafraxa W., Nichol, Peel and Pilkington twps. | 83,566.33 | 41,564.26 | 42,002.07 | 3,533.11 |
| Essex R.P.D.—Colchester N., Gosfield N., Gosfield S., Maidstone, Mersea, Rochester and Sandwich S. twps. | *140,126.10 | 69,165.32 | 70,960.78 | 6,278.56 |
| Exeter R.P.D.—Biddulph, Bosanquet, Hay, Hibbert, Stephen, Tuckersmith and Usborne twps. | *143,946.40 | 71,241.52 | 72,704.88 | 11,694.02 |
| Forest R.P.D.—Adelaide, Bosanquet, Plympton, Warwick and Williams W. twps. | *60,641.77 | 29,979.55 | 30,662.22 | 1,589.70 |
| Galt R.P.D.—Beverly, Dumfries N. and Dumfries S. twps. | 79,885.82 | 39,942.91 | 39,942.91 | 6,130.70 |
| Georgetown R.P.D.—Chinguacousy, Erin, and Esquesing twps. | 103,742.88 | 51,871.44 | 51,871.44 | 4,212.87 |
| Goderich R.P.D.—Ashfield, Colborne, Goderich and Wawanosh W. twps. | 71,710.60 | 35,589.59 | 36,121.01 | 4,173.17 |
| Grantham R.P.D.—Grantham and Niagara twps. | 145,534.40 | 68,687.20 | 76,847.20 | 17,652.41 |
| Guelph R.P.D.—Eramosa, Guelph, Nassagaweya and Puslinch twps. | 181,689.73 | 90,814.95 | 90,874.78 | 12,129.72 |
| Haldimand R.P.D.—Cayuga N., Oneida, Rainham, Seneca and Walpole twps. | *101,014.53 | 49,156.80 | 51,857.73 | 8,444.96 |
| Harriston R.P.D.—Howick and Minto twps. | *32,608.18 | 16,023.93 | 16,584.25 | 863.57 |
| Harrow R.P.D.—Colchester N., Colchester S., Gosfield S. and Malden twps. | 137,336.33 | 68,668.17 | 68,668.16 | 13,190.41 |
| Ingersoll R.P.D.—Dereham, Dorchester N., Nissouri E., Oxford N., Oxford W., Zorra E. and Zorra W. twps. | 290,124.29 | 145,062.15 | 145,062.14 | 11,877.49 |
| Jordan R.P.D.—Grantham, Louth, Pelham and Thorold twps. | 98,666.04 | 49,333.02 | 49,333.02 | 7,836.82 |
| Keswick R.P.D.—Georgina, Gwillimbury N. and Gwillimbury E. twps. | 163,537.51 | 79,191.31 | 84,346.20 | 18,268.52 |
| Kingsville R.P.D.—Gosfield N., Gosfield S., Mersea and Romney twps. | *288,182.64 | 141,927.52 | 146,255.12 | 19,670.19 |
| Listowel R.P.D.—Elma, Grey, Maryborough, Mornington, Peel, Wallace and Wellesley twps. | 117,836.37 | 58,918.18 | 58,918.19 | 4,818.83 |

Items marked * include portions of transmission lines aggregating \$44,995.90 used for

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 793.41 | 838.42 | 723.32 | 361.66 | 190.42 | 4,459.20 | 4,212.04 | ..... | 247.16 |
| 3,857.09 | 2,323.56 | 1,988.61 | 994.30 | 527.71 | 13,233.20 | 12,123.59 | ..... | 1,109.61 |
| 10,174.62 | 5,653.01 | 4,738.26 | 2,369.13 | 1,283.87 | 38,806.28 | 39,122.90 | 316.62 | ..... |
| 2,126.71 | 915.84 | 790.12 | 395.06 | 208.00 | 5,698.39 | 3,382.96 | ..... | 2,315.43 |
| 3,680.20 | 1,691.53 | 1,459.32 | 729.66 | 384.17 | 12,553.28 | 10,433.94 | ..... | 2,119.34 |
| 2,363.03 | 800.42 | 690.54 | 345.27 | 181.78 | 7,140.15 | 5,359.88 | ..... | 1,780.27 |
| 4,996.24 | 1,912.29 | 1,641.02 | 820.51 | 434.30 | 13,337.47 | 10,335.89 | ..... | 3,001.58 |
| 5,081.21 | 3,268.51 | 2,783.91 | 1,391.96 | 742.32 | 19,546.47 | 22,491.59 | 2,945.12 | ..... |
| 8,504.68 | 3,191.76 | 2,724.32 | 1,362.16 | 724.89 | 28,201.83 | 27,338.72 | ..... | 863.11 |
| 1,751.08 | 1,405.12 | 1,198.63 | 599.31 | 319.12 | 6,862.96 | 6,739.23 | ..... | 123.73 |
| 3,481.10 | 1,807.88 | 1,559.70 | 779.85 | 410.59 | 14,169.82 | 13,596.51 | ..... | 573.31 |
| 3,400.20 | 2,372.28 | 2,046.62 | 1,023.31 | 538.77 | 13,594.05 | 12,080.99 | ..... | 1,513.06 |
| 1,885.20 | 1,515.33 | 1,296.68 | 648.34 | 344.15 | 9,862.87 | 8,195.23 | ..... | 1,667.64 |
| 10,043.04 | 3,417.79 | 2,785.40 | 1,392.70 | 776.21 | 36,067.55 | 36,066.39 | ..... | 1.16 |
| 6,724.29 | 4,107.57 | 3,542.49 | 1,771.25 | 932.88 | 29,208.20 | 26,339.07 | ..... | 2,869.13 |
| 7,210.17 | 2,366.71 | 1,987.80 | 993.90 | 537.51 | 21,541.05 | 17,608.63 | ..... | 3,932.42 |
| 1,012.55 | 762.38 | 646.51 | 323.26 | 173.15 | 3,781.42 | 2,779.18 | ..... | 1,002.24 |
| 5,037.57 | 3,143.45 | 2,711.93 | 1,355.96 | 713.91 | 26,153.23 | 29,043.50 | 2,890.27 | ..... |
| 8,931.37 | 6,642.05 | 5,730.25 | 2,865.12 | 1,508.49 | 37,554.77 | 33,272.88 | ..... | 4,281.89 |
| 5,349.50 | 2,197.13 | 1,895.51 | 947.75 | 498.99 | 18,725.70 | 18,161.72 | ..... | 563.98 |
| 6,925.20 | 3,747.98 | 3,130.38 | 1,565.19 | 851.21 | 34,488.48 | 32,371.08 | ..... | 2,117.40 |
| 13,592.59 | 6,722.21 | 5,712.85 | 2,856.43 | 1,526.69 | 50,080.96 | 53,557.84 | 3,476.88 | ..... |
| 5,025.14 | 2,689.97 | 2,320.70 | 1,160.35 | 610.92 | 16,625.91 | 14,033.27 | ..... | 2,592.64 |

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| London R.P.D.—Delaware, Lobo, London, Nissouri W. and Westminster twps. | *452,460.60 | 225,617.74 | 226,842.86 | 44,089.51 |
| Lucan R.P.D.—Biddulph, London, McGilivray and Stephen twps. | *58,020.83 | 28,845.99 | 29,174.84 | 1,996.85 |
| Lynden R.P.D.—Ancaster, Beverly, Brantford and Dumfries S. twps. | 103,260.55 | 51,210.17 | 52,050.38 | 5,871.22 |
| Markham R.P.D.—Markham, Pickering, Scarborough, Uxbridge and Whitchurch twps. | *228,562.66 | 113,141.14 | 115,421.52 | 13,667.35 |
| Merlin R.P.D.—Raleigh, Romney and Tilbury E. twps. | 143,247.28 | 71,623.64 | 71,623.64 | 7,364.94 |
| Milton R.P.D.—Esquesing, Nassagaweya Nelson and Trafalgar twps. | 108,488.53 | 54,244.26 | 54,244.27 | 5,833.90 |
| Milverton R.P.D.—Ellice, Elma, Mornington and Wellesley twps. | 65,164.42 | 32,582.21 | 32,582.21 | 2,392.38 |
| Mitchell R.P.D.—Downie, Ellice, Elma, Fullarton, Hibbert, Logan and McKillop twps. | 109,781.46 | 54,890.73 | 54,890.73 | 5,996.86 |
| Newmarket R.P.D.—Georgina, Gwillimbury E., King, Scott, Uxbridge and Whitchurch twps. | 120,385.47 | 60,192.74 | 60,192.73 | 7,898.87 |
| Niagara R.P.D.—Niagara and Stamford twps. | *126,194.33 | 62,647.51 | 63,546.82 | 9,080.52 |
| Norwich R.P.D.—Burford, Dereham, Middleton, Norwich N., Norwich S., Oxford E. and Windham twps. | *181,308.61 | 88,749.38 | 92,559.23 | 8,427.21 |
| Oil Springs R.P.D.—Brooke, Dawn, Enniskillen and Euphemia twps. | 29,686.23 | 14,843.11 | 14,843.12 | 1,772.69 |
| Palmerston R.P.D.—Arthur, Maryborough, Minto, Peel and Wallace twps. | *60,312.85 | 29,876.28 | 30,436.57 | 2,021.78 |
| Petrolia R.P.D.—Enniskillen, Moore, Plympton and Sarnia twps. | *26,075.59 | 12,484.43 | 13,591.16 | 972.89 |
| Preston R.P.D.—Dumfries N., Guelph, Puslinch, Waterloo and Woolwich twps. | *318,742.34 | 158,093.98 | 160,648.36 | 25,945.67 |
| Ridgetown R.P.D.—Aldborough, Harwich, Howard, Orford and Rondeau Park twps. | 202,560.06 | 101,280.03 | 101,280.03 | 10,980.99 |
| St. Jacobs R.P.D.—Peel, Waterloo, Wellesley and Woolwich twps. | 107,601.88 | 53,515.21 | 54,086.67 | 7,887.08 |
| St. Marys R.P.D.—Blanshard, Downie, Fullarton, Nissouri E., Nissouri W. and Osborne twps. | 192,453.85 | 96,226.92 | 96,226.93 | 7,568.26 |
| St. Thomas R.P.D.—Dunwich, Southwold, Westminster and Yarmouth twps. | 304,957.81 | 151,785.16 | 153,172.65 | 14,249.36 |
| Saltfleet R.P.D.—Barton, Binbrook, Grimsby N. and Saltfleet twps. | 294,546.50 | 143,183.75 | 151,362.75 | 28,553.81 |
| Sandwich R.P.D.—Anderdon, Colchester N., Maidstone, Sandwich E., Sandwich W. and Sandwich S. twps. | 341,428.63 | 170,714.31 | 170,714.32 | 27,719.20 |
| Sarnia R.P.D.—Moore, Plympton and Sarnia twps. | *214,251.37 | 104,924.84 | 109,326.53 | 18,548.93 |
| Scarboro R.P.D.—Pickering, Scarboro and York N. twps. | 191,100.81 | 95,550.41 | 95,550.40 | 10,007.34 |

Items marked * include portions of transmission lines aggregating \$44,995.90 used for

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

Distribution costs and fixed charges

| Cost of operation maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|--|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| | | | | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 23,894.84 | 10,359.88 | 8,913.20 | 4,456.60 | 2,352.85 | 94,066.88 | 93,203.47 | ..... | 863.41 |
| 1,192.16 | 1,350.75 | 1,158.74 | 579.38 | 306.77 | 6,584.65 | 6,542.13 | ..... | 42.52 |
| 4,536.55 | 2,357.16 | 2,022.91 | 1,011.45 | 535.34 | 16,334.63 | 14,031.73 | ..... | 2,302.90 |
| 7,552.03 | 5,225.01 | 4,462.13 | 2,231.04 | 1,186.66 | 34,324.22 | 39,491.40 | 5,167.18 | ..... |
| 3,425.68 | 3,267.36 | 2,818.83 | 1,409.41 | 742.06 | 19,028.28 | 17,837.26 | ..... | 1,191.02 |
| 4,223.46 | 2,469.70 | 2,130.67 | 1,065.34 | 560.90 | 16,283.97 | 15,225.32 | ..... | 1,058.65 |
| 2,409.50 | 1,482.21 | 1,278.74 | 639.37 | 336.63 | 8,538.83 | 7,201.22 | ..... | 1,337.61 |
| 3,748.52 | 2,440.38 | 2,105.37 | 1,052.69 | 554.24 | 15,898.06 | 16,195.71 | 297.65 | ..... |
| 3,914.38 | 2,671.93 | 2,305.13 | 1,152.57 | 606.83 | 18,549.71 | 19,344.75 | 795.04 | ..... |
| 9,532.58 | 2,912.12 | 2,494.37 | 1,247.18 | 661.39 | 25,928.16 | 23,248.04 | ..... | 2,680.12 |
| 8,472.34 | 4,249.76 | 3,590.22 | 1,795.11 | 965.17 | 27,499.81 | 25,308.22 | ..... | 2,191.59 |
| 1,800.59 | 685.06 | 591.02 | 295.51 | 155.59 | 5,300.46 | 5,288.04 | ..... | 12.42 |
| 1,694.95 | 1,401.93 | 1,198.27 | 599.13 | 318.39 | 7,234.45 | 4,930.36 | ..... | 2,304.09 |
| 1,163.87 | 620.76 | 513.41 | 256.71 | 140.98 | 3,668.62 | 3,599.06 | ..... | 69.56 |
| 11,165.80 | 7,166.19 | 6,131.35 | 3,065.67 | 1,627.53 | 55,102.21 | 53,998.49 | ..... | 1,103.72 |
| 7,479.68 | 4,648.66 | 4,010.50 | 2,005.25 | 1,055.77 | 30,180.85 | 29,529.41 | ..... | 651.44 |
| 6,101.84 | 2,472.39 | 2,121.55 | 1,060.78 | 561.51 | 20,205.15 | 17,133.19 | ..... | 3,071.96 |
| 5,428.34 | 4,408.81 | 3,803.58 | 1,901.79 | 1,001.29 | 24,112.07 | 20,841.54 | ..... | 3,270.53 |
| 12,358.85 | 6,913.74 | 5,936.89 | 2,968.44 | 1,570.19 | 43,997.47 | 46,282.43 | 2,284.96 | ..... |
| 17,636.31 | 6,882.96 | 5,774.50 | 2,887.25 | 1,563.20 | 63,298.03 | 65,998.50 | 2,700.47 | ..... |
| 23,158.78 | 7,851.31 | 6,773.50 | 3,386.75 | 1,783.12 | 70,672.66 | 69,667.54 | ..... | 1,005.12 |
| 13,453.68 | 4,959.12 | 4,190.30 | 2,095.16 | 1,126.27 | 44,373.46 | 47,313.52 | 2,940.06 | ..... |
| 5,993.13 | 4,202.75 | 3,625.81 | 1,812.90 | 954.49 | 26,596.42 | 33,354.35 | 6,757.93 | ..... |

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Seaforth R.P.D.—Hibbert, Hullett, McKillop and Tuckersmith twps. | 29,402.80 | 14,083.46 | 15,319.34 | 1,942.11 |
| Simcoe R.P.D.—Charlotteville, Townsend, Walpole, Windham and Woodhouse twps. | 129,831.68 | 64,745.55 | 65,086.13 | 6,876.76 |
| Stamford R.P.D.—Stamford and Thorold twps. | 41,211.74 | 20,605.87 | 20,605.87 | 4,071.99 |
| Stratford R.P.D.—Downie, Easthope N., Easthope S. and Ellice twps. | 67,079.92 | 33,279.11 | 33,800.81 | 4,598.14 |
| Strathroy R.P.D.—Adelaide, Caradoc, Ekfrid, Lobo, Metcalfe and Williams E. twps. | 101,204.09 | 50,425.27 | 50,778.82 | 3,658.40 |
| Streetsville R.P.D.—Chinguacousy, Esquesing, Toronto and Trafalgar twps. | 187,700.07 | 93,850.04 | 93,850.03 | 10,675.09 |
| Tavistock R.P.D.—Easthope N., Easthope S., Ellice and Zorra E. twps. | 120,629.22 | 60,314.61 | 60,314.61 | 5,087.05 |
| Thamesville R.P.D.—Camden, Chatham, Euphemia, Harwich, Howard, Orford and Zone twps. | 107,547.60 | 53,522.31 | 54,025.29 | 3,563.14 |
| Tilbury R.P.D.—Dover W., Mersea, Rochester, Romney, Tilbury E., Tilbury W. and Tilbury N. twps. | *110,648.45 | 54,700.13 | 55,948.32 | 6,039.71 |
| Tillsonburg R.P.D.—Bayham, Dereham, Dorchester S., Houghton, Malahide, Middleton, Norwich N., Norwich S. and Walsingham N. twps. | 201,568.67 | 100,784.33 | 100,784.34 | 10,433.41 |
| Wallaceburg R.P.D.—Chatham, Dover E. and Sombra twps. | 154,326.32 | 76,792.14 | 77,534.18 | 7,002.40 |
| Walsingham R.P.D.—Charlotteville, Houghton, Middleton, Walsingham N., Walsingham S. and Windham twps. | *148,749.14 | 73,865.05 | 74,884.09 | 6,623.11 |
| Walton R.P.D.—Grey, Hullett, McKillop, Morris, Wawanosh E. and Wawanosh W. twps. | *80,210.08 | 38,349.04 | 41,861.04 | 4,132.10 |
| Waterdown R.P.D.—Flamboro E., Flamboro W. and Nelson twps. | 205,749.58 | 92,521.64 | 113,227.94 | 21,894.57 |
| Waterford R.P.D.—Townsend and Windham twps. | 117,271.01 | 58,635.51 | 58,635.50 | 4,962.07 |
| Watford R.P.D.—Adelaide, Metcalfe and Warwick twps. | 23,904.03 | 11,952.02 | 11,952.01 | 985.51 |
| Welland R.P.D.—Bertie, Crowland, Humberstone, Moulton, Pelham, Thorold, Wainfleet and Willoughby twps. | *652,765.71 | 321,346.74 | 331,418.97 | 30,967.62 |
| Woodbridge R.P.D.—Albion, Chinguacousy, Etobicoke, King, Toronto, Toronto Gore, Vaughan and York N. twps. | *338,237.05 | 168,240.65 | 169,996.40 | 17,636.20 |
| Woodstock R.P.D.—Blandford, Blenheim, Burford, Oxford E., Oxford N., Oxford W., Zorra E. and Zorra W. twps. | 224,924.58 | 112,462.29 | 112,462.29 | 14,704.05 |
| | 12,823,206.79 | 6,345,677.89 | 6,477,528.90 | ..... |
| Non-operating capital | 15,149.60 | 7,371.69 | 7,777.91 | ..... |
| Grand totals | 12,838,356.39 | 6,353,049.58 | 6,485,306.81 | 810,110.29 |

Items marked * include portions of transmission lines aggregating \$44,995.90 used for

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|--|-------------------------------|-----------------|--------------------------------|--------------|--------------|---|---|-----------|
| Cost of operation maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,484.93 | 708.06 | 586.15 | 293.07 | 160.81 | 5,175.13 | 4,988.00 | ..... | 187.13 |
| 4,835.74 | 2,993.53 | 2,575.77 | 1,287.89 | 679.87 | 19,249.56 | 18,401.72 | ..... | 847.84 |
| 4,659.19 | 945.43 | 815.64 | 407.82 | 214.72 | 11,114.79 | 11,625.74 | 510.95 | ..... |
| 4,672.33 | 1,547.12 | 1,324.30 | 662.16 | 351.37 | 13,155.42 | 11,861.74 | ..... | 1,293.68 |
| 2,611.26 | 2,328.00 | 2,001.35 | 1,000.68 | 528.71 | 12,128.40 | 11,961.96 | ..... | 166.44 |
| 6,690.41 | 4,280.02 | 3,692.47 | 1,846.23 | 972.04 | 28,156.26 | 25,199.26 | ..... | 2,957.00 |
| 5,557.04 | 2,782.08 | 2,400.16 | 1,200.08 | 631.84 | 17,658.25 | 15,057.50 | ..... | 2,600.75 |
| 3,910.29 | 2,494.36 | 2,141.88 | 1,070.94 | 566.50 | 13,747.11 | 13,177.66 | ..... | 569.45 |
| 3,159.47 | 2,548.13 | 2,173.36 | 1,086.68 | 578.71 | 15,586.06 | 16,141.44 | 555.38 | ..... |
| 8,080.12 | 4,633.17 | 3,997.14 | 1,998.57 | 1,052.25 | 30,194.66 | 27,772.02 | ..... | 2,422.64 |
| 6,290.43 | 3,902.45 | 3,352.32 | 1,676.16 | 886.29 | 23,110.05 | 21,911.32 | ..... | 1,198.73 |
| 4,136.83 | 3,282.55 | 2,811.55 | 1,405.78 | 745.50 | 19,005.32 | 20,529.21 | 1,523.89 | ..... |
| 3,688.75 | 1,902.07 | 1,570.71 | 785.35 | 431.98 | 12,510.96 | 11,960.01 | ..... | 550.95 |
| 13,589.85 | 5,068.67 | 3,958.73 | 1,979.36 | 1,151.15 | 47,642.33 | 49,697.37 | 2,055.04 | ..... |
| 4,002.21 | 2,672.46 | 2,305.59 | 1,152.80 | 606.95 | 15,702.08 | 15,682.41 | ..... | 19.67 |
| 572.40 | 554.08 | 478.02 | 239.01 | 125.84 | 2,954.86 | 3,051.33 | 96.47 | ..... |
| 28,211.50 | 14,680.64 | 12,466.75 | 6,233.38 | 3,334.13 | 95,894.02 | 92,375.20 | ..... | 3,518.82 |
| 13,591.40 | 7,732.95 | 6,636.72 | 3,318.36 | 1,756.25 | 50,671.88 | 50,554.59 | ..... | 117.29 |
| 10,233.83 | 5,164.94 | 4,455.91 | 2,227.95 | 1,173.02 | 37,959.70 | 35,997.86 | ..... | 1,961.84 |
| | | | | | | | | |
| | | | | | | | | |
| 557,105.44 | 294,442.54 | 251,397.57 | 125,698.79 | 66,871.35 | 2,105,625.98 | 2,063,370.73 | 50,246.15 | 92,501.40 |

purposes of rural power districts.

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|--------------------|--------------------------|--|----------|--|----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Acton..... | Jan., 1913 | | 9.50 | 9.50 | |
| Agincourt..... | Nov., 1922 | 289.61 | | | 289.61 |
| Ailsa Craig..... | Jan., 1916 | 532.55 | | | 532.55 |
| Alvinston..... | April, 1922 | | 24.83 | 24.83 | |
| Amherstburg..... | Nov., 1925 | 4,595.75 | | | 4,595.75 |
| Ancaster twp..... | May, 1923 | | 29.59 | 32.26 | 2.67 |
| Arkona..... | Dec., 1926 | 23.18 | | | 23.18 |
| Aylmer..... | Mar., 1918 | 1,499.70 | | | 1,499.70 |
| Ayr..... | Jan., 1915 | 860.59 | | | 860.59 |
| Baden..... | May, 1912 | 515.07 | | | 515.07 |
| Beachville..... | Aug., 1912 | 1,325.66 | | | 1,325.66 |
| Belle River..... | Dec., 1922 | 305.29 | | | 305.29 |
| Blenheim..... | Nov., 1915 | | 276.51 | 276.51 | |
| Blyth..... | July, 1924 | 642.78 | | | 642.78 |
| Bolton..... | Feb., 1915 | 655.94 | | | 655.94 |
| Bothwell..... | Sept., 1915 | | 627.60 | 627.60 | |
| Brampton..... | Nov., 1911 | 4,145.83 | | | 4,145.83 |
| Brantford..... | Feb., 1914 | | 5,618.58 | 5,618.58 | |
| Brantford twp..... | May, 1924 | | 286.06 | 286.06 | |
| Bridgeport..... | Mar., 1928 | 470.48 | | | 470.48 |
| Brigden..... | Jan., 1918 | 772.85 | | | 772.85 |
| Brussels..... | July, 1924 | 833.61 | | | 833.61 |
| Burford..... | June, 1915 | 315.96 | | | 315.96 |
| Burgessville..... | Nov., 1916 | | 688.85 | 688.85 | |
| Caledonia..... | Oct., 1912 | 234.05 | | | 234.05 |
| Campbellville..... | Jan., 1925 | 144.41 | | | 144.41 |
| Cayuga..... | Nov., 1924 | 725.22 | | | 725.22 |
| Chatham..... | Feb., 1915 | 7,288.41 | | | 7,288.41 |
| Chippawa..... | Sept., 1919 | 512.92 | | | 512.92 |
| Clifford..... | May, 1924 | 181.36 | | | 181.36 |
| Clinton..... | Mar., 1914 | 577.54 | | | 577.54 |
| Comber..... | May, 1915 | 597.54 | | | 597.54 |
| Cottam..... | Nov., 1926 | 194.97 | | | 194.97 |
| Courtright..... | Dec., 1923 | 99.94 | | | 99.94 |
| Dashwood..... | Sept., 1917 | 297.46 | | | 297.46 |
| Delaware..... | Mar., 1915 | 73.87 | | 0.39 | 74.26 |
| Dorchester..... | Dec., 1914 | | 4.43 | 4.43 | |
| Drayton..... | Mar., 1918 | | 65.98 | 65.98 | |
| Dresden..... | April, 1915 | 652.84 | | | 652.84 |
| Drumbo..... | Dec., 1914 | 479.05 | | | 479.05 |
| Dublin..... | Oct., 1917 | | 287.01 | | |
| Dundas..... | Jan., 1911 | 1,497.51 | | | 1,497.51 |
| Dunnville..... | June, 1918 | 3,181.73 | | | 3,181.73 |
| Dutton..... | Sept., 1915 | 1,157.11 | | | 1,157.11 |
| East Windsor..... | Nov., 1922 | 4,731.69 | | | 4,731.69 |

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|---------|---|----------|---|----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 4.00 | 0.12 | 232.09 | 13.01 | 236.09 | 13.13 |
| 9.39 | | | 210.04 | | 200.65 |
| 72.10 | 0.33 | 330.14 | | 329.81 | |
| | | 1,754.23 | | 1,826.33 | |
| | 0.44 | | 357.51 | | 357.95 |
| .38 | | | 14.36 | | 13.98 |
| 19.56 | | | 6.17 | 13.39 | |
| 15.35 | | 44.74 | | 60.09 | |
| 7.06 | | | 168.86 | | 161.80 |
| 18.46 | | 452.58 | | 471.04 | |
| 5.05 | | | 162.79 | | 157.74 |
| | 4.33 | 259.78 | | 255.45 | |
| 10.07 | | 392.91 | | 402.98 | |
| 9.70 | | 529.66 | | 539.36 | |
| | 9.35 | | 137.89 | | 147.24 |
| 53.16 | | | 1,892.62 | | 1,839.46 |
| | 8.55 | | 4,467.37 | | 4,475.92 |
| | 4.89 | | 733.10 | | 737.99 |
| 6.24 | | | 27.04 | | 20.80 |
| 10.25 | | 355.18 | | 365.43 | |
| 12.88 | | 396.07 | | 408.95 | |
| 5.09 | | 189.59 | | 194.68 | |
| | 11.77 | | 208.45 | | 220.22 |
| 3.16 | | | 659.56 | | 656.40 |
| 1.98 | | | 35.12 | | 33.14 |
| 10.74 | | | 432.41 | | 421.67 |
| 100.64 | | | 523.64 | | 423.00 |
| 9.82 | | | 41.83 | | 32.01 |
| 2.88 | | | 372.01 | | 369.13 |
| 7.78 | | | 495.93 | | 488.15 |
| 7.55 | | 278.70 | | 286.25 | |
| 3.06 | | 70.64 | | 73.70 | |
| 1.65 | | | 253.32 | | 251.67 |
| 4.09 | | | 89.19 | | 85.10 |
| 1.37 | | 4.50 | | 5.87 | |
| | 0.10 | | 234.30 | | 234.40 |
| | 0.82 | | 379.08 | | 379.90 |
| 9.23 | | 338.43 | | 347.66 | |
| 8.27 | | 258.80 | | 267.07 | |
| | 11.48 | | 109.99 | | 408.48 |
| 24.29 | | | 1,520.21 | | 1,495.92 |
| 44.84 | | 3,475.50 | | 3,520.34 | |
| 14.33 | | 340.39 | | 354.72 | |
| 70.00 | | | 1,082.44 | | 1,012.44 |

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|-----------------------------|--------------------------|--|------------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Elmira..... | Nov., 1913 | 524.45 | | | 524.45 |
| Elora..... | Nov., 1914 | 785.20 | | | 785.20 |
| Embro..... | Jan., 1915 | 842.66 | | | 842.66 |
| Erieau..... | July, 1924 | | 5.40 | 5.40 | |
| Erie Beach..... | July, 1925 | 50.72 | | | 50.72 |
| Essex..... | Nov., 1923 | 236.36 | | | 236.36 |
| Etobicoke..... | Aug., 1917 | 6,103.00 | | | 6,103.00 |
| Exeter..... | June, 1916 | 1,357.60 | | | 1,357.60 |
| Fergus..... | Nov., 1914 | 78.79 | | | 78.79 |
| Fonthill..... | June, 1926 | | 129.94 | 129.94 | |
| Forest..... | Mar., 1917 | 429.11 | | | 429.11 |
| Galt..... | May, 1911 | 14,435.61 | | | 14,435.61 |
| Georgetown..... | Sept., 1913 | | 305.46 | 305.46 | |
| Glencoe..... | Aug., 1920 | | 540.12 | 545.66 | 5.54 |
| Goderich..... | Feb., 1914 | | 511.15 | 511.15 | |
| Granton..... | July, 1916 | | 68.59 | 68.59 | |
| Guelph..... | Dec., 1910 | | 4,455.14 | 4,455.14 | |
| Hagersville..... | Sept., 1913 | 1,677.99 | | | 1,677.99 |
| Hamilton..... | Feb., 1911 | | 122,122.18 | 122,122.18 | |
| Harriston..... | July, 1916 | | 625.15 | 625.15 | |
| Harrow..... | Nov., 1923 | 2,003.92 | | | 2,003.92 |
| Hensall..... | Jan., 1917 | 539.63 | | | 539.63 |
| Hespeler..... | Feb., 1911 | 3,828.92 | | | 3,828.92 |
| Highgate..... | Dec., 1916 | | 134.68 | 134.68 | |
| Humberstone..... | Oct., 1924 | | 534.54 | 534.54 | |
| Ingersoll..... | May, 1911 | | 2,521.53 | 2,521.53 | |
| Jarvis..... | Feb., 1924 | 471.50 | | | 471.50 |
| Kingsville..... | Nov., 1923 | 1,547.18 | | | 1,547.18 |
| Kitchener..... | Jan., 1911 | 1,989.97 | | | 1,989.97 |
| Lambeth..... | April, 1915 | 453.45 | | | 453.45 |
| La Salle..... | Nov., 1925 | 311.39 | | | 311.39 |
| Leamington..... | Nov., 1923 | 3,985.55 | | | 3,985.55 |
| Listowel..... | June, 1916 | 899.87 | | | 899.87 |
| London..... | Jan., 1911 | 52,818.01 | | | 52,818.01 |
| London Railway Commission.. | Aug., 1914 | | 12,298.53 | 12,298.53 | |
| London twp..... | Jan., 1925 | 1,096.56 | | | 1,096.56 |
| Long Branch..... | Jan., 1931 | | 356.08 | 356.08 | |
| Lucan..... | Feb., 1915 | 191.94 | | | 191.94 |
| Lynden..... | Nov., 1915 | 348.30 | | | 348.30 |
| Markham..... | April, 1920 | 1,063.88 | | | 1,063.88 |
| Merlin..... | Dec., 1922 | | 51.18 | 51.18 | |
| Merritton..... | Nov., 1920 | | 662.61 | 662.61 | |
| Milton..... | April, 1913 | 791.61 | | | 791.61 |
| Milverton..... | June, 1916 | | 10.98 | 10.98 | |
| Mimico..... | May, 1912 | 1,043.59 | | | 1,043.59 |

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|-----------|---|-----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 7.18 | | | 540.61 | | 533.43 |
| 9.98 | | | 516.81 | | 506.83 |
| 11.67 | | 350.58 | | 362.25 | |
| 0.72 | 0.10 | 263.69 | | 263.59 | |
| | | 77.41 | | 78.13 | |
| 3.91 | | | 35.06 | | 31.15 |
| 82.27 | | 2,781.24 | | 2,863.51 | |
| 19.29 | | | 198.65 | | 179.36 |
| 1.13 | | | 886.23 | | 885.10 |
| | 2.32 | 321.55 | | 319.23 | |
| 5.60 | | 870.45 | | 876.05 | |
| 199.76 | | 424.70 | | 624.46 | |
| | 4.28 | | 807.68 | | 811.96 |
| | 10.09 | 290.62 | | 280.53 | |
| | 6.89 | | 1,427.19 | | 1,434.08 |
| | 1.26 | | 210.56 | | 211.82 |
| | 82.02 | | 2,622.42 | | 2,704.44 |
| 29.67 | | | 1,989.73 | | 1,960.06 |
| | 2,127.94 | | 80,489.92 | | 82,617.86 |
| | 12.07 | | 607.37 | | 619.44 |
| 30.69 | | 102.52 | | 133.21 | |
| 10.31 | | | 172.04 | | 161.73 |
| 61.76 | | 2,850.17 | | 2,911.93 | |
| | 2.01 | 134.79 | | 132.78 | |
| | 6.95 | | 162.12 | | 169.07 |
| | 43.34 | | 3,712.82 | | 3,756.16 |
| 7.80 | | | 995.86 | | 988.06 |
| 22.50 | | 70.34 | | 92.84 | |
| 26.39 | | | 5,493.50 | | 5,467.11 |
| 8.84 | | 152.94 | | 161.78 | |
| 4.23 | | 104.24 | | 108.47 | |
| 62.46 | | | 393.56 | | 331.10 |
| 13.81 | | | 704.11 | | 690.30 |
| 711.96 | | | 7,509.92 | | 6,797.96 |
| | 313.53 | | 8,333.61 | | 8,647.14 |
| 14.06 | | 278.35 | | 292.41 | |
| | 4.80 | 618.14 | | 613.34 | |
| 2.44 | | | 85.69 | | 83.25 |
| 7.53 | | 147.75 | | 155.28 | |
| 15.35 | | 543.53 | | 558.88 | |
| | 0.72 | | 103.28 | | 104.00 |
| | 8.53 | | 719.66 | | 728.19 |
| 9.98 | | | 1,119.83 | | 1,109.85 |
| | 0.14 | | 251.62 | | 251.76 |
| 17.27 | | | 195.89 | | 178.62 |

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|--------------------------|--------------------------|--|-----------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Mitchell..... | Sept., 1911 | 1,057.54 | | | 1,057.54 |
| Moorefield..... | Mar., 1918 | 33.40 | | | 33.40 |
| Mount Brydges..... | Mar., 1915 | 550.78 | | | 550.78 |
| Newbury..... | Mar., 1921 | | 149.22 | 149.22 | |
| New Hamburg..... | Mar., 1911 | 552.05 | | | 552.05 |
| New Toronto..... | Feb., 1914 | 6,749.02 | | | 6,749.02 |
| Niagara Falls..... | Dec., 1915 | | 30,619.69 | 336.37 | |
| Niagara-on-the-Lake..... | Aug., 1919 | 68.61 | | | 68.61 |
| Norwich..... | May, 1912 | | 216.74 | 216.74 | |
| Oil Springs..... | Feb., 1918 | 428.82 | | | 428.82 |
| Otterville..... | Feb., 1916 | | 381.81 | 381.81 | |
| Palmerston..... | July, 1916 | | 275.75 | 275.75 | |
| Paris..... | Feb., 1914 | 2,215.41 | | | 2,215.41 |
| Parkhill..... | May, 1920 | 691.96 | | | 691.96 |
| Petrolia..... | May, 1916 | 1,359.79 | | | 1,359.79 |
| Plattsville..... | Dec., 1914 | 825.29 | | | 825.29 |
| Point Edward..... | Nov., 1916 | 2,738.99 | | | 2,738.99 |
| Port Colborne..... | Mar., 1920 | | 199.38 | 199.38 | |
| Port Credit..... | Aug., 1912 | | 247.95 | 247.95 | |
| Port Dalhousie..... | Nov., 1912 | 214.50 | | | 214.50 |
| Port Dover..... | Dec., 1921 | 274.20 | | | 274.20 |
| Port Rowan..... | Nov., 1926 | 806.94 | | | 806.94 |
| Port Stanley..... | April, 1912 | 1,642.85 | | | 1,642.85 |
| Preston..... | Jan., 1911 | | 222.22 | 222.22 | |
| Princeton..... | Jan., 1915 | 1,009.94 | | | 1,009.94 |
| Queenston..... | Mar., 1921 | 105.39 | | | 105.39 |
| Richmond Hill..... | June, 1925 | 1,739.77 | | | 1,739.77 |
| Ridgetown..... | Dec., 1915 | | 419.58 | 419.58 | |
| Riverside..... | Nov., 1922 | 3,201.68 | | | 3,201.68 |
| Rockwood..... | Sept., 1913 | 529.93 | | | 529.93 |
| Rodney..... | Feb., 1917 | | 435.48 | 435.48 | |
| St. Catharines..... | April, 1914 | | 12,934.36 | 12,934.36 | |
| St. Clair Beach..... | Nov., 1922 | 252.82 | | | 252.82 |
| St. George..... | Sept., 1915 | 29.42 | | | 29.42 |
| St. Jacobs..... | Sept., 1917 | 298.36 | | | 298.36 |
| St. Marys..... | May, 1911 | 2,632.30 | | | 2,632.30 |
| St. Thomas..... | April, 1911 | 15,827.24 | | | 15,827.24 |
| Sandwich..... | Feb., 1924 | 5,511.51 | | | 5,511.51 |
| Sarnia..... | Dec., 1916 | 23,767.17 | | | 23,767.17 |
| Scarboro twp..... | Aug., 1918 | 5,133.02 | | | 5,133.02 |
| Seaforth..... | Nov., 1911 | 285.33 | | | 285.33 |
| Simcoe..... | Aug., 1915 | 2,954.96 | | | 2,954.96 |
| Springfield..... | Aug., 1917 | | 121.83 | 121.83 | |
| Stamford twp..... | Nov., 1916 | | 609.18 | 609.18 | |
| Stouffville..... | Sept., 1923 | 983.06 | | | 983.06 |

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|-----------|---|-----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 16. 21 | | | 195.84 | | 179. 63 |
| 0.49 | | | 171.93 | | 171. 44 |
| 7.90 | | 108.39 | | 116. 29 | |
| | 1.96 | 50.54 | | 48. 58 | |
| 7.74 | | 439.93 | | 447. 67 | |
| 93.93 | | 5,841.19 | | 5,935.12 | |
| | 1,211.33 | | 18,404.74 | | 49,899.39 |
| 0.93 | | | 66.80 | | 65. 87 |
| | 2.92 | | 220.71 | | 223. 63 |
| 5.92 | | 578.83 | | 584.75 | |
| | 4.90 | | 168.27 | | 173.17 |
| | 4.38 | | 330.31 | | 334. 69 |
| 31.56 | | | 540.79 | | 509. 23 |
| 11.25 | | 87.07 | | 98.32 | |
| 18.93 | | 2,325.04 | | 2,343.97 | |
| 13.18 | | 258.40 | | 271.58 | |
| 39.28 | | 1,626.75 | | 1,666.03 | |
| | 3.12 | 1,258.41 | | 1,255.29 | |
| | 3.48 | | 827.89 | | 831. 37 |
| 2.84 | | | 189.87 | | 187.03 |
| 3.85 | | 1,275.30 | | 1,279.15 | |
| 8.22 | | 294.00 | | 302.22 | |
| 36.76 | | 1,020.46 | | 1,057.22 | |
| | 2.95 | | 1,221.18 | | 1,224.13 |
| 15.83 | | 520.82 | | 536.65 | |
| 1.48 | | 89.20 | | 90.68 | |
| 35.99 | | 1,719.01 | | 1,755.00 | |
| | 6.25 | 41.96 | | 35.71 | |
| 47.37 | | | 732.20 | | 684.83 |
| 7.64 | | 103.47 | | 111.11 | |
| | 6.49 | | 388.35 | | 394.84 |
| | 229.86 | | 5,056.45 | | 5,286.31 |
| 3.74 | | | 109.04 | | 105.30 |
| 0.37 | | 215.67 | | 216.04 | |
| 3.76 | | | 396.03 | | 392.27 |
| 42.69 | | | 2,099.66 | | 2,056.97 |
| 230.05 | | 1,591.19 | | 1,821.24 | |
| 76.71 | | 973.99 | | 1,050.70 | |
| 338.13 | | 10,873.22 | | 11,211.35 | |
| 68.07 | | 4,066.22 | | 4,134.29 | |
| 3.81 | | | 316.44 | | 312.63 |
| 42.10 | | 2,195.33 | | 2,237.43 | |
| | 1.70 | | 63.79 | | 65.49 |
| | 9.35 | | 1,475.80 | | 1,485.15 |
| 19.80 | | 248.99 | | 268.79 | |

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|------------------------------|--------------------------|--|----------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Stratford..... | Jan., 1911 | 25,236.86 | | | 25,236.86 |
| Strathroy..... | Dec., 1914 | 3,540.38 | | | 3,540.38 |
| Sutton..... | Aug., 1923 | 1,281.56 | | | 1,281.56 |
| Tavistock..... | Nov., 1916 | | 512.16 | 512.16 | |
| Tecumseh..... | Nov., 1922 | 1,285.29 | | | 1,285.29 |
| Thamesford..... | Feb., 1914 | 451.58 | | | 451.58 |
| Thamesville..... | Oct., 1915 | | 188.03 | 188.03 | |
| Thedford..... | May, 1922 | 54.12 | | | 54.12 |
| Thorndale..... | Mar., 1914 | 164.69 | | 5.56 | 170.25 |
| Thorold..... | Jan., 1921 | 705.82 | | | 705.82 |
| Tilbury..... | April, 1915 | 1,833.67 | | | 1,833.67 |
| Tillsonburg..... | Aug., 1911 | 1,151.98 | | | 1,151.98 |
| Toronto..... | June, 1911 | 69,566.26 | | | 69,566.26 |
| Toronto twp..... | Aug., 1913 | 1,723.27 | | | 1,723.27 |
| Walkerville..... | Nov., 1914 | 9,900.02 | | | 9,900.02 |
| Wallaceburg..... | Feb., 1915 | 750.53 | | | 750.53 |
| Wardsville..... | June, 1921 | | 147.77 | 147.77 | |
| Waterdown..... | Nov., 1911 | 674.64 | | 326.83 | 1,001.47 |
| Waterford..... | April, 1915 | 650.51 | | | 650.51 |
| Waterloo..... | Dec., 1910 | 3,855.37 | | | 3,855.37 |
| Watford..... | Sept., 1917 | 644.19 | | | 644.19 |
| Welland..... | Sept., 1917 | | 4,105.12 | 4,140.87 | 35.75 |
| Wellesley..... | Nov., 1916 | | 218.78 | 218.78 | |
| West Lorne..... | Jan., 1917 | 49.56 | | | 49.56 |
| Weston..... | Jan., 1911 | 3,705.30 | | | 3,705.30 |
| Wheatley..... | Feb., 1924 | 695.94 | | | 695.94 |
| Windsor..... | Oct., 1914 | 39,254.28 | | | 39,254.28 |
| Woodbridge..... | Dec., 1914 | 292.01 | | | 292.01 |
| Woodstock..... | Jan., 1911 | 5,128.64 | | | 5,128.64 |
| Wyoming..... | Nov., 1916 | | 352.34 | 352.34 | |
| York East twp..... | July, 1925 | 3,310.59 | | | 3,310.59 |
| York North twp..... | Nov., 1923 | | 761.30 | 761.30 | |
| Zurich..... | Sept., 1917 | 542.00 | | | 542.00 |
| Toronto Transportation Comm. | Jan., 1927 | 1,820.35 | | | 1,820.35 |
| RURAL POWER DISTRICT* | | | | | |
| Acton R.P.D..... | Feb., 1928 | | 416.70 | | 30.00 |
| Ailsa Craig R.P.D..... | Sept., 1930 | 42.22 | | | |
| Alvinston R.P.D..... | June, 1929 | | 413.45 | | |
| Amherstburg R.P.D..... | Nov., 1923 | 27,651.27 | | | 148.56 |
| Aylmer R.P.D..... | Nov., 1922 | 13,222.77 | | | 883.51 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|---------|---|------------|---|------------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 376.71 | | 2,756.37 | | 3,133.08 | |
| 55.48 | | 2,132.17 | | 2,187.65 | |
| 19.96 | | 504.99 | | 524.95 | |
| 19.01 | 7.86 | 665.99 | | 658.13 | |
| | | | 128.49 | | 109.48 |
| 6.28 | | | 76.01 | | 69.73 |
| | 3.71 | 357.95 | | 354.24 | |
| 0.90 | | 497.13 | | 498.03 | |
| 2.62 | | 57.04 | | 59.66 | |
| 9.51 | | 38.36 | | 47.87 | |
| 27.61 | | | 164.20 | | 136.59 |
| 15.15 | | 30.73 | | 45.88 | |
| 937.71 | | | 118,851.10 | | 117,913.39 |
| 24.17 | | 1,472.78 | | 1,496.95 | |
| 146.47 | | | 4,981.98 | | 4,835.51 |
| 10.36 | | | 711.90 | | 701.54 |
| | 3.77 | 43.17 | | 39.40 | |
| 11.60 | | 126.04 | | 137.64 | |
| 8.13 | | 486.71 | | 494.84 | |
| 48.17 | | | 14,197.04 | | 14,148.87 |
| 10.66 | | 1,037.11 | | 1,047.77 | |
| | 112.06 | | 572.39 | | 684.45 |
| | 2.90 | 49.34 | | 46.44 | |
| 0.73 | | 50.81 | | 51.54 | |
| 55.63 | | 1,642.37 | | 1,698.00 | |
| 10.16 | | | 219.96 | | 209.80 |
| 546.33 | | | 8,015.38 | | 7,469.05 |
| 3.90 | | 475.00 | | 478.90 | |
| 82.62 | | | 4,667.50 | | 4,584.88 |
| | 5.33 | 269.47 | | 264.14 | |
| 43.54 | | 2,353.09 | | 2,396.63 | |
| | 14.85 | 1,244.66 | | 1,229.81 | |
| 7.66 | | | 127.04 | | 119.38 |
| 29.99 | | 359.71 | | 389.70 | |
| | | | | | |
| | 16.67 | | 251.34 | | 714.71 |
| 1.69 | | | 74.49 | | 30.58 |
| | 16.54 | | 196.43 | | 626.42 |
| 1,105.82 | | 3,157.82 | | 31,766.35 | |
| 527.28 | | 1,594.09 | | 14,460.63 | |

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Rural power district* | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|-----------------------|--------------------------|--|----------|--|----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Ayr R.P.D. | July, 1926 | 929.50 | | | |
| Baden R.P.D. | Sept., 1922 | | 2,618.01 | | 187.81 |
| Beamsville R.P.D. | Jan., 1923 | 42,906.65 | | | 814.15 |
| Belle River R.P.D. | Dec., 1922 | 31,123.02 | | | 177.07 |
| Blenheim R.P.D. | July, 1924 | 15,790.10 | | | 30.00 |
| Bond Lake R.P.D. | Mar., 1924 | 48,163.85 | | | 932.99 |
| Bothwell R.P.D. | Dec., 1923 | 6,868.19 | | | 172.94 |
| Brampton R.P.D. | Nov., 1923 | 919.69 | | | 117.69 |
| Brant R.P.D. | Oct., 1922 | | 3,050.86 | | 1,590.00 |
| Brigden R.P.D. | Jan., 1927 | | 3,264.22 | | 20.00 |
| Burford R.P.D. | Dec., 1926 | 2,612.52 | | | 300.00 |
| Caledonia R.P.D. | Oct., 1925 | | 2,611.19 | | 1,287.82 |
| Chatham R.P.D. | May, 1922 | 17,757.86 | | | 60.71 |
| Chippawa R.P.D. | July, 1922 | 3,331.26 | | | 150.00 |
| Clinton R.P.D. | July, 1928 | | 1,921.11 | | 240.00 |
| Delaware R.P.D. | Oct., 1922 | 3,602.59 | | | 656.52 |
| Dorchester R.P.D. | Dec., 1921 | | 1,861.59 | | 417.98 |
| Dresden R.P.D. | May, 1928 | | 305.41 | | |
| Drumbo R.P.D. | Aug., 1922 | 1,190.94 | | | |
| Dundas R.P.D. | Jan., 1922 | 19,959.94 | | | 429.27 |
| Dunnville R.P.D. | July, 1928 | | 2,725.54 | | |
| Dutton R.P.D. | Feb., 1926 | | 693.35 | | 596.55 |
| Elmira R.P.D. | June, 1926 | | 1,580.47 | | 30.00 |
| Elora R.P.D. | Jan., 1926 | | 629.88 | | 122.00 |
| Essex R.P.D. | Nov., 1924 | 17,870.19 | | | 204.08 |
| Exeter R.P.D. | Nov., 1922 | 12,726.42 | | | 20.00 |
| Forest R.P.D. | Nov., 1926 | | 235.14 | | |
| Galt R.P.D. | Oct., 1922 | 2,729.51 | | | 3.50 |
| Georgetown R.P.D. | Nov., 1924 | 2,485.24 | | | 372.59 |
| Goderich R.P.D. | June, 1925 | | 1,942.70 | | 40.00 |
| Grantham R.P.D. | Nov., 1924 | 1,083.72 | | | 674.21 |
| Guelph R.P.D. | Jan., 1925 | | 7,324.28 | | 174.36 |
| Haldimand R.P.D. | Oct., 1925 | 4,132.77 | | | 726.86 |
| Harrison R.P.D. | Dec., 1929 | | 1,241.01 | | 20.00 |
| Harrow R.P.D. | Nov., 1923 | 16,262.32 | | | 120.00 |
| Ingersoll R.P.D. | Oct., 1922 | | 2,192.54 | | 113.50 |
| Jordan R.P.D. | May, 1922 | 12,619.14 | | | 174.01 |
| Keswick R.P.D. | Mar., 1924 | | 6,781.22 | | 334.97 |
| Kingsville R.P.D. | Nov., 1923 | 34,612.32 | | 88.15 | 320.00 |
| Listowel R.P.D. | Oct., 1926 | 587.85 | | | 144.76 |
| London R.P.D. | Nov., 1922 | 17,784.51 | | | 174.10 |
| Lucan R.P.D. | June, 1926 | | 298.13 | | |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|---------|---|----------|---|-----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 37.18 | | | 1,275.26 | | 308.58 |
| | 104.72 | | 3,320.11 | | 6,230.65 |
| 1,715.08 | | 1,110.55 | | 44,918.13 | |
| 1,244.54 | | 1,585.93 | | 33,776.42 | |
| 631.60 | | 2,395.57 | | 18,787.27 | |
| | | | | | |
| 1,920.96 | | 4,665.38 | | 53,817.20 | |
| 274.73 | | | 510.13 | 6,459.85 | |
| 36.38 | | | 1,461.14 | | 622.76 |
| | 122.03 | | 5,214.29 | | 9,977.18 |
| | 130.57 | | 1,192.55 | | 4,607.34 |
| | | | | | |
| 104.50 | | | 379.20 | 2,037.82 | |
| | 111.72 | | 2,685.01 | | 6,695.74 |
| 709.92 | | | 148.48 | 18,258.59 | |
| 133.25 | | | 25.89 | 3,288.62 | |
| | 76.84 | | 1,271.81 | | 3,509.76 |
| | | | | | |
| 139.65 | | | 251.28 | 2,834.44 | |
| | 76.61 | 422.90 | | | 1,933.28 |
| | 12.22 | | 247.16 | | 564.79 |
| 47.64 | | | 1,109.61 | 128.97 | |
| 797.44 | | 316.62 | | 20,644.73 | |
| | | | | | |
| | 109.02 | | 2,315.43 | | 5,149.99 |
| | 37.01 | | 2,119.34 | | 3,446.25 |
| | 63.22 | | 1,780.27 | | 3,453.96 |
| | 25.39 | | 3,001.58 | | 3,778.85 |
| 714.69 | | 2,945.12 | | 21,325.92 | |
| | | | | | |
| 509.06 | | | 863.11 | 12,352.37 | |
| | 9.41 | | 123.73 | | 368.28 |
| 109.18 | | | 573.31 | 2,261.88 | |
| 99.27 | | | 1,513.06 | 698.86 | |
| | 77.71 | | 1,667.64 | | 3,728.05 |
| | | | | | |
| 42.91 | | | 1.16 | 451.26 | |
| | 292.97 | | 2,869.13 | | 10,659.74 |
| 165.31 | | | 3,932.42 | | 361.20 |
| | 49.64 | | 1,002.24 | | 2,312.89 |
| 650.49 | | 2,890.27 | | 19,683.08 | |
| | | | | | |
| | 87.93 | | 4,281.89 | | 6,676.86 |
| 504.14 | | | 563.98 | 12,385.29 | |
| | 273.72 | | 2,117.40 | | 9,507.31 |
| 1,384.79 | | 3,476.88 | | 39,242.14 | |
| 23.43 | | | 2,592.64 | | 2,126.12 |
| | | | | | |
| 710.43 | | | 863.41 | 17,457.43 | |
| | 11.93 | | 42.52 | | 352.58 |

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Rural power district* | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|-----------------------|--------------------------|--|------------|--|------------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Lynden R.P.D. | Feb., 1922 | 93.69 | | | 190.36 |
| Markham R.P.D. | Dec., 1922 | 26,582.07 | | | 412.60 |
| Merlin R.P.D. | Nov., 1928 | | 3,649.49 | | 431.56 |
| Milton R.P.D. | Jan., 1925 | 5,783.96 | | | 112.85 |
| Milverton R.P.D. | Aug., 1927 | | 4,126.27 | | |
| Mitchell R.P.D. | Dec., 1925 | 1,681.50 | | | 60.00 |
| Newmarket R.P.D. | Mar., 1924 | 5,826.65 | | | 11.32 |
| Niagara R.P.D. | Jan., 1922 | 22,007.03 | | 5.00 | 270.00 |
| Norwich R.P.D. | May, 1925 | 7,626.78 | | | 64.16 |
| Oil Springs R.P.D. | Dec., 1925 | 2,772.93 | | | |
| Palmerston R.P.D. | Oct., 1926 | | 3,715.48 | | 40.00 |
| Petrolia R.P.D. | Aug., 1923 | | 534.60 | | |
| Preston R.P.D. | April, 1922 | 9,160.16 | | | 780.02 |
| Ridgetown R.P.D. | Mar., 1922 | 2,183.20 | | | 71.70 |
| St. Jacobs R.P.D. | Nov., 1922 | 3,743.01 | | | 272.70 |
| St. Marys R.P.D. | Dec., 1927 | | 7,765.93 | | 80.00 |
| St. Thomas R.P.D. | Aug., 1923 | 17,561.83 | | | 310.00 |
| Saltfleet R.P.D. | Feb., 1922 | 1,945.81 | | | 1,753.10 |
| Sandwich R.P.D. | July, 1922 | 61,622.41 | | | 5,959.80 |
| Sarnia R.P.D. | June, 1923 | 13,072.95 | | | 150.39 |
| Scarboro R.P.D. | Dec., 1923 | 24,294.55 | | | 2,140.02 |
| Seaforth R.P.D. | Nov., 1927 | | 358.05 | | 90.00 |
| Simcoe R.P.D. | Nov., 1922 | 3,311.29 | | | 291.86 |
| Stamford R.P.D. | Mar., 1922 | 8,061.14 | | | 2,368.71 |
| Stratford R.P.D. | July, 1924 | 207.31 | | | |
| Strathroy R.P.D. | Dec., 1926 | | 508.48 | | 40.00 |
| Streetsville R.P.D. | Nov., 1922 | 19,271.56 | | | 7,404.43 |
| Tavistock R.P.D. | April, 1923 | | 5,967.91 | | 182.38 |
| Thamesville R.P.D. | Nov., 1927 | 1,212.47 | | | 183.60 |
| Tilbury R.P.D. | Dec., 1923 | 5,007.08 | | | 90.00 |
| Tillsonburg R.P.D. | Dec., 1923 | 6,953.77 | | | 172.84 |
| Wallaceburg R.P.D. | Jan., 1923 | 9,511.49 | | | 160.00 |
| Walsingham R.P.D. | Dec., 1926 | 3,055.17 | | | 90.00 |
| Walton R.P.D. | Nov., 1924 | 2,473.41 | | | 40.00 |
| Waterdown R.P.D. | Oct., 1922 | 41,936.16 | | | 1,818.84 |
| Waterford R.P.D. | Nov., 1923 | | 738.78 | | 170.00 |
| Watford R.P.D. | Dec., 1929 | | 346.86 | | |
| Welland R.P.D. | April, 1922 | 43,190.23 | | | 9,859.53 |
| Woodbridge R.P.D. | Jan., 1923 | 15,615.02 | | | 282.33 |
| Woodstock R.P.D. | Feb., 1922 | 11,761.89 | | | 87.57 |
| Totals | | 1,139,553.57 | 276,189.54 | 176,270.45 | 452,892.61 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|------------|---|------------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3.68 | | | 2,302.90 | | 2,395.89 |
| 1,061.58 | | 5,167.18 | | 32,398.23 | |
| | 145.98 | | 1,191.02 | | 5,418.05 |
| 229.60 | | | 1,058.65 | 4,842.06 | |
| | 165.05 | | 1,337.61 | | 5,628.93 |
| 67.26 | | 297.65 | | 1,986.41 | |
| 232.95 | | 795.04 | | 6,843.32 | |
| 880.37 | | | 2,680.12 | 19,942.28 | |
| 304.36 | | | 2,191.59 | 5,675.39 | |
| 110.92 | | | 12.42 | 2,871.43 | |
| | 148.62 | | 2,304.09 | | 6,208.19 |
| | 21.38 | | 69.56 | | 625.54 |
| 364.32 | | | 1,103.72 | 7,640.74 | |
| 87.33 | | | 651.44 | 1,547.39 | |
| 149.26 | | | 3,071.96 | 547.61 | |
| | 310.64 | | 3,270.53 | | 11,427.10 |
| 702.47 | | 2,284.96 | | 20,239.26 | |
| 74.61 | | 2,700.47 | | 2,967.79 | |
| 2,464.60 | | | 1,005.12 | 57,122.09 | |
| 522.65 | | 2,940.06 | | 16,385.27 | |
| 963.48 | | 6,757.93 | | 29,875.94 | |
| | 14.32 | | 187.13 | | 649.50 |
| 132.15 | | | 847.84 | 2,303.74 | |
| 300.03 | | 510.95 | | 6,503.41 | |
| 8.29 | | | 1,293.68 | | 1,078.08 |
| | 20.34 | | 166.44 | | 735.26 |
| 769.42 | | | 2,957.00 | 9,679.55 | |
| | 240.24 | | 2,600.75 | | 8,991.28 |
| 48.50 | | | 569.45 | 507.92 | |
| 200.28 | | 555.38 | | 5,672.74 | |
| 275.37 | | | 2,422.64 | 4,633.66 | |
| 380.46 | | | 1,198.73 | 8,533.22 | |
| 122.21 | | 1,523.89 | | 4,611.27 | |
| 98.94 | | | 550.95 | 1,981.40 | |
| 1,677.45 | | 2,055.04 | | 43,849.81 | |
| | 29.55 | | 19.67 | | 958.00 |
| | 13.87 | 96.47 | | | 264.26 |
| 1,604.45 | | | 3,518.82 | 31,416.33 | |
| 622.90 | | | 117.29 | 15,838.30 | |
| 469.09 | | | 1,961.84 | 10,181.57 | |
| 35,000.91 | 7,134.20 | 124,787.46 | 413,104.46 | 810,579.69 | 484,288.11 |

NIAGARA SYSTEM

Reserve for Renewals—October 31, 1933

| | | |
|--|-----------------|-------------------------------|
| Total provision for renewals to October 31, 1932..... | \$18,065,909.62 | |
| Deduct: | | |
| Expenditures to October 31, 1932..... | 1,436,017.09 | |
| Balance brought forward October 31, 1932..... | | \$16,629,892.53 |
| Added during the year ending October 31, 1933: | | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them..... | \$1,064,624.94 | |
| Amounts included in costs of distribution of power within rural power districts..... | 251,397.57 | |
| Provision against equipment employed in respect of contracts with private companies which purchased power and against equipment in local distribution systems..... | 312,153.93 | |
| Payments by Ottawa Valley Power Company in respect of Chats Falls transformer station under agreement..... | 12,141.91 | |
| Reserve provided in respect of lines transferred to certain rural power districts from power properties..... | 2,070.37 | |
| Reserve provided in respect of equipment transferred..... | 1,406.49 | |
| Interest at 4 % per annum on the monthly balances at the credit of the account..... | 665,334.77 | |
| | | <u>2,309,129.98</u> |
| | | \$18,939,022.51 |
| Deduct: | | |
| Expenditures during the year ending October 31, 1933..... | 252,832.62 | |
| Balance carried forward October 31, 1933..... | | <u><u>\$18,686,189.89</u></u> |

NIAGARA SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1933

| | | |
|--|--------------|------------------------------|
| Balance brought forward October 31, 1932..... | | \$12,440,735.02 |
| Added during the year ending October 31, 1933: | | |
| Amounts included in the costs of distribution of power within rural power districts..... | \$125,698.79 | |
| Adjustment in respect of power delivered to private companies in the year ending October 31, 1932..... | 1,118.84 | |
| Payments by Ottawa Valley Power Co. in respect of Chats Falls transformer station under agreement..... | 13,133.32 | |
| Share of profits realized in respect of the sale of certain of the Commission's investment securities..... | 44,203.20 | |
| Profit on English exchange in connection with transfer of funds to London to retire debenture stock..... | \$820,516.50 | |
| Less—Commission's share of American exchange paid during the year by the Province of Ontario and by the Commission on the transfer of funds to New York to meet capital retirements..... | 118,008.83 | |
| | 702,507.67 | |
| Interest at 4% per annum on monthly balances at the credit of the account..... | 497,629.40 | |
| | | 1,384,291.22 |
| | | <u>\$13,825,026.24</u> |
| Deduct: | | |
| Interest on Commission's advances to, and investment in the capital stock of, the Hamilton Street Railway Company..... | \$164,220.43 | |
| in excess of profit for the year (before provision for renewal of road and equipment) from operation of the street railway..... | 27,307.72 | |
| | \$136,912.71 | |
| Contingencies met with during the year incidental to plant operations..... | 272,571.70 | |
| Cost to the Commission (including provisions for sinking fund \$431,003.02 and renewals \$312,153.93) of power delivered to private companies and customers under flat rate contracts in excess of the revenue received from them..... | 2,221,034.43 | |
| Amount appropriated to provide a reserve for the Commission's claim against Dominion Government in respect of income tax..... | 72,334.46 | |
| Amount appropriated from the contingency reserve and applied proportionately to each municipality in reduction of the cost of delivery of power thereto..... | 2,015,572.30 | |
| | | 4,718,425.60 |
| Balance carried forward October 31, 1933..... | | <u><u>\$9,106,600.64</u></u> |

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1933

| Municipality | Period of years ending Oct. 31, 1933 | Amount | Municipality | Period of years ending Oct. 31, 1933 | Amount |
|--------------------|--|------------|--------------------|--|--------------|
| | | \$ c. | | | \$ c. |
| Acton..... | 16 years | 34,576.27 | Elmira..... | 15 years | 46,936.38 |
| Agincourt..... | 9 " | 5,182.99 | Elora..... | 14 " | 22,693.58 |
| Ailsa Craig..... | 13 " | 9,541.72 | Embro..... | 14 " | 6,527.33 |
| Alvinston..... | 10 " | 9,622.20 | Erieau..... | 10 " | 2,938.52 |
| Amherstburg..... | 16 " | 27,567.04 | Erie Beach..... | 9 " | 747.87 |
| Ancaster twp..... | 10 " | 8,321.47 | Essex..... | 10 " | 15,657.28 |
| Arkona..... | 7 " | 2,948.25 | Etobicoke twp..... | 11 " | 92,232.23 |
| Aylmer..... | 10 " | 22,779.10 | Exeter..... | 12 " | 23,307.91 |
| Ayr..... | 14 " | 8,153.15 | Fergus..... | 14 " | 28,771.67 |
| Baden..... | 16 " | 19,259.17 | Fonthill..... | 8 " | 2,800.14 |
| Beachville..... | 16 " | 23,913.36 | Forest..... | 11 " | 16,729.43 |
| Belle River..... | 11 " | 5,164.20 | Galt..... | 17 " | 313,276.52 |
| Blenheim..... | 13 " | 21,191.34 | Georgetown..... | 15 " | 55,732.50 |
| Blyth..... | 10 " | 4,935.50 | Glencoe..... | 10 " | 10,750.22 |
| Bolton..... | 13 " | 10,636.75 | Goderich..... | 14 " | 70,410.65 |
| Bothwell..... | 13 " | 11,113.15 | Granton..... | 12 " | 4,760.53 |
| Brampton..... | 17 " | 93,084.35 | Guelph..... | 17 " | 368,952.35 |
| Brantford..... | 14 " | 473,680.24 | Hagersville..... | 15 " | 47,251.46 |
| Brantford twp..... | 10 " | 15,720.56 | Hamilton..... | 17 " | 2,173,195.35 |
| Bridgeport..... | 6 " | 2,607.10 | Harriston..... | 12 " | 19,021.07 |
| Brigden..... | 11 " | 7,049.89 | Harrow..... | 10 " | 11,158.25 |
| Brussels..... | 10 " | 6,968.52 | Hensall..... | 12 " | 8,596.60 |
| Burford..... | 13 " | 7,656.25 | Hespeler..... | 17 " | 56,882.64 |
| Burgessville..... | 12 " | 3,190.64 | Highgate..... | 12 " | 5,893.16 |
| Caledonia..... | 16 " | 12,346.64 | Humberstone..... | 10 " | 9,735.62 |
| Campbellville..... | 9 " | 860.46 | Ingersoll..... | 17 " | 105,017.04 |
| Cayuga..... | 9 " | 4,608.67 | Jarvis..... | 10 " | 7,844.51 |
| Chatham..... | 13 " | 222,270.09 | Kingsville..... | 10 " | 21,171.01 |
| Chippawa..... | 11 " | 9,683.44 | Kitchener..... | 17 " | 704,233.55 |
| Clifford..... | 10 " | 3,400.81 | Lambeth..... | 13 " | 5,287.52 |
| Clinton..... | 14 " | 26,385.91 | LaSalle..... | 8 " | 6,920.00 |
| Comber..... | 13 " | 11,265.98 | Leamington..... | 10 " | 38,294.17 |
| Cottam..... | 7 " | 1,912.56 | Listowel..... | 12 " | 40,935.07 |
| Courtright..... | 10 " | 3,068.73 | London..... | 17 " | 1,276,199.72 |
| Dashwood..... | 11 " | 4,929.81 | London Ry. Comn... | 14 " | 84,384.56 |
| Delaware..... | 13 " | 1,607.07 | London twp..... | 9 " | 7,958.96 |
| Dorchester..... | 14 " | 3,991.12 | Long Branch..... | 3 " | 6,340.04 |
| Drayton..... | 10 " | 6,777.75 | Lucan..... | 13 " | 11,298.71 |
| Dresden..... | 13 " | 17,862.77 | Lynden..... | 13 " | 8,470.87 |
| Drumbo..... | 14 " | 3,658.36 | Markham..... | 10 " | 9,223.04 |
| Dublin..... | 11 " | 3,357.12 | Merlin..... | 10 " | 7,210.65 |
| Dundas..... | 17 " | 81,992.63 | Merritton..... | 12 " | 51,801.81 |
| Dunnville..... | 10 " | 32,056.77 | Milton..... | 15 " | 62,216.95 |
| Dutton..... | 13 " | 11,117.92 | Milverton..... | 12 " | 27,538.79 |
| East Windsor..... | 11 " | 125,360.56 | Mimico..... | 16 " | 74,423.84 |

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1933

| Municipality | Period of years ending Oct. 31, 1933 | Amount | Municipality | Period of years ending Oct. 31, 1933 | Amount |
|----------------------|--|------------|---------------------|--|---------------|
| | | \$ c. | | | \$ c. |
| Mitchell..... | 17 years | 25,154.35 | Stratford..... | 17 years | 341,228.19 |
| Moorefield..... | 10 " | 3,564.98 | Strathroy..... | 14 " | 47,541.31 |
| Mount Brydges..... | 13 " | 3,954.00 | Sutton..... | 10 " | 7,140.47 |
| Newbury..... | 10 " | 2,459.74 | Tavistock..... | 12 " | 24,238.67 |
| New Hamburg..... | 17 " | 28,962.42 | Tecumseh..... | 11 " | 13,344.22 |
| New Toronto..... | 14 " | 233,643.69 | Thamesford..... | 14 " | 9,606.22 |
| Niagara Falls..... | 13 " | 322,289.01 | Thamesville..... | 13 " | 9,545.28 |
| Niagara-on-Lake..... | 10 " | 16,284.04 | Thedford..... | 10 " | 4,809.74 |
| Norwich..... | 16 " | 21,467.24 | Thorndale..... | 14 " | 5,154.87 |
| Oil Springs..... | 10 " | 14,703.00 | Thorold..... | 11 " | 45,966.73 |
| Otterville..... | 12 " | 4,586.52 | Tilbury..... | 13 " | 24,728.27 |
| Palmerston..... | 12 " | 24,034.50 | Tillsonburg..... | 17 " | 47,955.04 |
| Paris..... | 14 " | 65,116.46 | Toronto..... | 17 " | 10,262,345.03 |
| Parkhill..... | 10 " | 10,093.35 | Toronto twp..... | 15 " | 48,982.20 |
| Petrolia..... | 12 " | 58,101.13 | Walkerville..... | 14 " | 356,447.26 |
| Plattsville..... | 14 " | 5,100.27 | Wallaceburg..... | 13 " | 102,741.31 |
| Point Edward..... | 11 " | 25,866.17 | Wardsville..... | 10 " | 1,876.72 |
| Port Colborne..... | 12 " | 49,150.47 | Waterdown..... | 17 " | 13,365.35 |
| Port Credit..... | 16 " | 19,681.98 | Waterford..... | 13 " | 17,475.90 |
| Port Dalhousie..... | 12 " | 16,815.86 | Waterloo..... | 17 " | 142,961.10 |
| Port Dover..... | 10 " | 12,733.61 | Watford..... | 11 " | 11,763.78 |
| Port Rowan..... | 7 " | 3,408.20 | Welland..... | 11 " | 148,814.76 |
| Port Stanley..... | 16 " | 22,072.23 | Wellesley..... | 12 " | 9,904.27 |
| Preston..... | 17 " | 155,142.27 | West Lorne..... | 12 " | 16,699.36 |
| Princeton..... | 14 " | 4,534.68 | Weston..... | 17 " | 125,872.53 |
| Queenston..... | 10 " | 3,708.42 | Wheatley..... | 10 " | 6,384.47 |
| Richmond Hill..... | 9 " | 8,304.53 | Windsor..... | 14 " | 1,056,217.61 |
| Ridgetown..... | 13 " | 23,153.15 | Woodbridge..... | 14 " | 16,082.48 |
| Riverside..... | 11 " | 43,095.44 | Woodstock..... | 17 " | 210,352.26 |
| Rockwood..... | 15 " | 6,373.61 | Wyoming..... | 12 " | 4,467.98 |
| Rodney..... | 11 " | 6,962.59 | York East twp..... | 9 " | 116,767.89 |
| St. Catharines..... | 12 " | 290,602.66 | York North twp..... | 10 " | 49,580.68 |
| St. Clair Beach..... | 11 " | 3,600.11 | Zurich..... | 11 " | 7,563.75 |
| St. George..... | 13 " | 7,663.23 | Toronto Trans. Com. | 12 " | 130,530.48 |
| St. Jacobs..... | 11 " | 7,966.38 | Sandwich, Windsor & | 11 " | 101,335.75 |
| St. Marys..... | 17 " | 76,957.11 | Amherstburg Ry. Co. | | |
| St. Thomas..... | 17 " | 264,228.94 | Windsor, Essex & | | |
| Sandwich..... | 10 " | 125,752.20 | Lake Shore Railway | | |
| Sarnia..... | 12 " | 328,029.30 | Association..... | 4 " | 9,259.79 |
| Scarboro twp..... | 10 " | 84,438.89 | | | |
| Seaforth..... | 17 " | 37,447.48 | | | |
| Simcoe..... | 13 " | 49,310.53 | | | |
| Springfield..... | 11 " | 5,308.21 | | | |
| Stamford twp..... | 12 " | 48,099.73 | | | |
| Stouffville..... | 10 " | 7,758.09 | | | |

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1933

| Rural power district* | Period of years ending Oct. 31, 1933 | Amount | Rural power district* | Period of years ending Oct. 31, 1933 | Amount |
|-----------------------|--------------------------------------|------------|-----------------------|--------------------------------------|------------------|
| | | \$ c. | | | \$ c. |
| Acton R.P.D. | 6 years | 405 75 | London R.P.D. | 11 years | 54,493. 27 |
| Ailsa Craig R.P.D. | 4 " | 170. 17 | Lucan R.P.D. | 8 " | 3,332. 92 |
| Alvinston R.P.D. | 5 " | 202. 32 | Lynden R.P.D. | 12 " | 8,580. 31 |
| Amherstburg R.P.D. | 10 " | 25,798. 26 | Markham R.P.D. | 11 " | 14,665. 29 |
| Aylmer R.P.D. | 12 " | 12,872. 68 | Merlin R.P.D. | 5 " | 6,114. 96 |
| Ayr R.P.D. | 8 " | 1,621. 95 | Milton R.P.D. | 9 " | 5,397. 17 |
| Baden R.P.D. | 12 " | 12,436. 62 | Milverton R.P.D. | 7 " | 2,540. 21 |
| Beamsville R.P.D. | 11 " | 37,770. 12 | Mitchell R.P.D. | 8 " | 7,252. 84 |
| Belle River R.P.D. | 11 " | 12,380. 64 | Newmarket R.P.D. | 10 " | 9,169. 68 |
| Blenheim R.P.D. | 10 " | 6,342. 27 | Niagara R.P.D. | 12 " | 19,264. 59 |
| Bond Lake R.P.D. | 10 " | 28,437. 76 | Norwich R.P.D. | 9 " | 16,848. 79 |
| Bothwell R.P.D. | 10 " | 5,657. 07 | Oil Springs R.P.D. | 8 " | 2,490. 86 |
| Brampton R.P.D. | 10 " | 4,711. 20 | Palmerston R.P.D. | 7 " | 1,480. 01 |
| Brant R.P.D. | 12 " | 16,315. 54 | Petrolia R.P.D. | 11 " | 1,314. 67 |
| Brigden R.P.D. | 7 " | 2,729. 97 | Preston R.P.D. | 12 " | 33,516. 33 |
| Burford R.P.D. | 7 " | 4,853. 22 | Ridgetown R.P.D. | 12 " | 16,433. 13 |
| Caledonia R.P.D. | 9 " | 9,601. 41 | St. Jacobs R.P.D. | 11 " | 10,503. 65 |
| Chatham R.P.D. | 12 " | 18,909. 14 | St. Marys R.P.D. | 6 " | 8,598. 99 |
| Chippawa R.P.D. | 12 " | 6,281. 65 | St. Thomas R.P.D. | 11 " | 23,105. 95 |
| Clinton R.P.D. | 6 " | 5,051. 52 | Saltfleet R.P.D. | 12 " | 39,176. 80 |
| Delaware R.P.D. | 11 " | 14,701. 73 | Sandwich R.P.D. | 12 " | 46,136. 33 |
| Dorchester R.P.D. | 12 " | 20,064. 21 | Sarnia R.P.D. | 11 " | 22,963. 59 |
| Dresden R.P.D. | 6 " | 1,145. 60 | Scarboro R.P.D. | 10 " | 10,388. 35 |
| Drumbo R.P.D. | 12 " | 6,047. 40 | Seaforth R.P.D. | 6 " | 1,883. 47 |
| Dundas R.P.D. | 12 " | 19,963. 40 | Simcoe R.P.D. | 11 " | 7,194. 26 |
| Dunnville R.P.D. | 6 " | 917. 32 | Stamford R.P.D. | 12 " | 6,005. 06 |
| Dutton R.P.D. | 8 " | 3,795. 94 | Stratford R.P.D. | 10 " | 8,514. 34 |
| Elmira R.P.D. | 8 " | 1,864. 68 | Strathroy R.P.D. | 7 " | 3,587. 60 |
| Elora R.P.D. | 8 " | 4,986. 77 | Streetsville R.P.D. | 11 " | 13,199. 60 |
| Elsex R.P.D. | 9 " | 10,071. 77 | Tavistock R.P.D. | 11 " | 7,224. 75 |
| Exeter R.P.D. | 11 " | 12,796. 31 | Thamesville R.P.D. | 6 " | 4,152. 17 |
| Forest R.P.D. | 7 " | 1,634. 31 | Tilbury R.P.D. | 10 " | 5,252. 35 |
| Galt R.P.D. | 12 " | 6,112. 59 | Tillsonburg R.P.D. | 10 " | 19,917. 27 |
| Georgetown R.P.D. | 9 " | 4,842. 98 | Wallaceburg R.P.D. | 11 " | 12,098. 06 |
| Goderich R.P.D. | 9 " | 3,747. 23 | Walsingham R.P.D. | 7 " | 5,969. 83 |
| Grantham R.P.D. | 9 " | 20,922. 32 | Walton R.P.D. | 9 " | 4,262. 46 |
| Guelph R.P.D. | 9 " | 10,164. 29 | Waterdown R.P.D. | 11 " | 18,372. 66 |
| Haldimand R.P.D. | 9 " | 5,674. 11 | Waterford R.P.D. | 10 " | 5,891. 90 |
| Harristown R.P.D. | 4 " | 714. 81 | Watford R.P.D. | 4 " | 743. 09 |
| Harrow R.P.D. | 10 " | 12,227. 93 | Welland R.P.D. | 12 " | 53,087. 00 |
| Ingersoll R.P.D. | 12 " | 13,565. 80 | Woodbridge R.P.D. | 11 " | 28,184. 12 |
| Jordan R.P.D. | 12 " | 8,170. 83 | Woodstock R.P.D. | 12 " | 24,376. 66 |
| Keswick R.P.D. | 10 " | 14,553. 94 | | | |
| Kingsville R.P.D. | 10 " | 32,901. 03 | | | |
| Listowel R.P.D. | 7 " | 4,849. 35 | | | |
| | | | Total | | \$24,564,512. 19 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

NIAGARA SYSTEM

Reserve for Sinking Fund—October 31, 1933

| | | |
|--|-----------------|------------------------|
| Total provision for sinking fund to October 31, 1932 | \$21,808,954.04 | |
| Provided in the year ending October 31, 1933, in respect of: | | |
| Advances by the Province for construction of transmission lines and stations..... | \$488,381.90 | |
| Advances by the Province for construction of rural power districts..... | 66,871.35 | |
| Advances by the Province for construction of pipe line to Ontario Power generating station..... | 36,923.85 | |
| Advances by the Province for construction of Queenston-Chippawa development..... | 809,295.21 | |
| Bonds issued and assumed by the Commission in connection with the purchase of the properties of the Ontario Power Company, Toronto Power Company, Essex system and Thorold system..... | 481,727.68 | |
| Interest at 4 % per annum on amounts standing at the credit of the reserve accounts..... | 872,358.16 | 2,755,558.15 |
| Total..... | | <u>\$24,564,512.19</u> |

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines for the year ending October 31, 1933

| Operated by | Capital cost | Interest | Sinking fund | Renewals | Contingencies | Total interest, sinking fund, renewals and contingencies charged |
|--------------|--------------|----------|--------------|----------|---------------|--|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Milton..... | 15,909 84 | 789.13 | 286.38 | 318.20 | 159.10 | 1,552 81 |
| Welland..... | 19,617.60 | 823.94 | 353.12 | 392.35 | 196.18 | 1,765.59 |
| Totals..... | 35,527.44 | 1,613.07 | 639.50 | 710.55 | 355.28 | 3,318.40 |

NIAGARA SYSTEM—RURAL LINES

Reserve for Renewals—October 31, 1933

| | |
|--|------------|
| Total provision for renewals to October 31, 1932..... | \$5,570.79 |
| Deduct: | |
| Expenditures to October 31, 1932..... | 288.03 |
| Balance brought forward October 31, 1932..... | \$5,282.76 |
| Added during the year ending October 31, 1933: | |
| By charges against the municipalities which operate the lines..... | \$710.55 |
| Interest at 4% per annum on monthly balances at the credit of the account..... | 211.31 |
| | 921.86 |
| Balance carried forward October 31, 1933..... | \$6,204.62 |

NIAGARA SYSTEM—RURAL LINES

Reserve for Contingencies—October 31, 1933

| | | |
|--|----------|-------------------|
| Balance brought forward October 31, 1932..... | | \$2,588.80 |
| Added during the year ending October 31, 1933: | | |
| By charges against municipalities which operate the lines..... | \$355.28 | |
| Interest at 4% per annum on monthly balances at the credit of the account..... | 103.55 | |
| | | <u>458.83</u> |
| Balance carried forward October 31, 1933..... | | <u>\$3,047.63</u> |

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line, together with interest allowed thereon to October 31, 1933

| Lines operated by | Period of years ending October 31, 1933 | Amount |
|-------------------|---|-------------------|
| Milton..... | 20 years | \$ c. 3,432.62 |
| Welland..... | 21 " | 10,613.50 |
| Total..... | ..... | <u>14,046.12</u> |

NIAGARA SYSTEM—RURAL LINES

Reserve for Sinking Fund—October 31, 1933

| | |
|---|--------------------|
| Total provision for sinking fund to October 31, 1932..... | \$12,890.98 |
| Provided in the year ending October 31, 1933..... | 639.50 |
| Interest at 4% per annum on the amount standing at the credit of the account... | 515.64 |
| | <u>\$14,046.12</u> |

GEORGIAN BAY
Operating Account for Year

COSTS OF OPERATION AS PROVIDED UNDER THE TERMS OF THE POWER COMMISSION ACT

| | | |
|--|--------------|-----------------------|
| Power purchased..... | | \$27,316.52 |
| Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system: | | |
| General and transmission equipment..... | \$381,803.94 | |
| Rural power districts..... | 56,844.72 | |
| Water heater costs written off in year to extent of revenue available from water heater loads..... | 1,360.10 | |
| | | 440,008.76 |
| Interest (including exchange thereon) on capital investment in: | | |
| Generation and transmission equipment..... | \$360,090.48 | |
| Rural power districts..... | 36,600.19 | |
| | | 396,690.67 |
| Provision for renewal of: | | |
| Generation and transmission equipment..... | \$99,221.22 | |
| Rural power districts..... | 28,890.44 | |
| | | 128,111.66 |
| Provision for obsolescence and contingencies in respect of: | | |
| Generation and transmission equipment..... | \$28,258.29 | |
| Rural power districts..... | 28,890.44 | |
| | | 57,148.73 |
| Provision for sinking fund: | | |
| By charges included in the cost of power delivered to municipalities and rural power districts..... | \$73,332.45 | |
| By charges against contracts with private companies which purchased power..... | 6,507.93 | |
| By charges included in the cost of distribution of power within rural power districts..... | 7,986.56 | |
| | | 87,826.94 |
| | | <u>\$1,137,103.28</u> |

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horsepower supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|-------------------|--|-----------------|---|---|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Alliston..... | 60.00 | 60.00 | 93,245.06 | 212.9 | 246.61 | 4,160.11 | 4,425.63 |
| Arthur..... | 75.00 | 75.00 | 69,439.48 | 128.8 | 149.19 | 3,848.78 | 3,275.27 |
| Barrie..... | 36.00 | 36.00 | 586,604.30 | 2,251.6 | 2,608.13 | 29,559.87 | 27,838.16 |
| Beaverton..... | 43.00 | 43.00 | 54,558.64 | 179.4 | 207.81 | 3,407.74 | 2,550.39 |
| Water heater load | | | | 1.0 | | *43.39 | |
| Beeton..... | 75.00 | 75.00 | 59,115.84 | 104.7 | 121.28 | 2,443.99 | 2,794.71 |
| Bradford..... | 70.00 | 70.00 | 64,418.93 | 134.0 | 155.22 | 3,170.93 | 3,045.69 |
| Brechin..... | 58.00 | 55.00 | 19,602.61 | 51.9 | 60.12 | 1,091.10 | 914.44 |
| Cannington..... | 45.00 | 45.00 | 47,543.65 | 153.6 | 177.92 | 2,864.87 | 2,232.49 |
| Water heater load | | | | 0.3 | | *13.06 | |
| Chatsworth..... | 45.00 | 45.00 | 16,338.44 | 52.3 | 60.58 | 1,185.01 | 778.42 |
| Chesley..... | 40.00 | 40.00 | 137,164.84 | 472.2 | 546.97 | 6,620.21 | 6,498.72 |
| Water heater load | | | | 1.6 | | *60.07 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

Ending October 31, 1933

REVENUE FOR PERIOD

| | |
|--|-----------------------|
| Collected from municipalities..... | \$863,748.55 |
| Power sold to private companies..... | 62,987.29 |
| Collected from customers in rural power districts..... | 236,399.48 |
| | <u>\$1,163,135.32</u> |

Add:

| | |
|---|-----------------------|
| Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year..... | \$5,337.24 |
| Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied to them in the year..... | 33,035.17 |
| | <u>38,372.41</u> |
| | <u>\$1,201,507.73</u> |

Deduct:

| | |
|---|------------------|
| Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year..... | \$61,309.81 |
| Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto..... | 3,094.64 |
| | <u>64,404.45</u> |

| | |
|--------------|-----------------------|
| Revenue..... | <u>\$1,137,103.28</u> |
| | <u>\$1,137,103.28</u> |

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,404.09 | 310.39 | 981.00 | 164.23 | 11,692.06 | 13,238.12 | 1,546.06 | |
| 1,107.93 | 227.94 | 729.57 | 99.35 | 9,438.03 | 10,034.11 | 596.08 | |
| 6,869.66 | 2,208.93 | 6,173.52 | 1,736.85 | 76,995.12 | 84,121.28 | 7,126.16 | |
| 702.98 | 202.72 | 573.82 | 138.39 | 7,783.85 | 8,034.60 | 207.36 | |
| | | | | 43.39 | | | |
| 955.33 | 189.71 | 621.87 | 80.76 | 7,207.65 | 8,135.12 | 927.47 | |
| 998.54 | 215.88 | 677.88 | 103.37 | 8,367.51 | 9,703.83 | 1,336.32 | |
| 279.92 | 71.81 | 206.31 | 40.03 | 2,663.73 | 2,986.37 | 322.64 | |
| 618.29 | 174.99 | 499.94 | 118.48 | 6,686.98 | 7,166.80 | 466.76 | |
| | | | | 13.06 | | | |
| 215.75 | 65.52 | 172.97 | 40.34 | 2,518.59 | 2,438.41 | | 80.18 |
| 1,723.92 | 530.41 | 1,443.82 | 364.25 | 17,728.30 | 19,658.84 | 1,870.47 | |
| | | | | 60.07 | | | |

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|----------------------|--|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Coldwater..... | 39.00 | 39.00 | 46,757.06 | 149.3 | 172.94 | 2,621.17 | 2,209.99 |
| Water heater load | | | | 0.3 | | *12.88 | |
| Collingwood..... | 40.00 | 40.00 | 372,399.07 | 1,227.0 | 1,421.29 | 20,534.53 | 17,438.98 |
| Water heater load | | | | 1.8 | | *73.99 | |
| Cookstown..... | 60.00 | 60.00 | 20,317.93 | 50.9 | 58.96 | 1,040.24 | 962.97 |
| Creemore..... | 55.00 | 55.00 | 41,559.11 | 103.3 | 119.66 | 2,554.45 | 1,966.06 |
| Dundalk..... | 42.00 | 42.00 | 44,739.14 | 156.3 | 181.05 | 2,606.43 | 2,117.81 |
| Durham..... | 42.00 | 45.00 | 110,220.03 | 369.6 | 428.12 | 6,795.19 | 5,203.33 |
| Water heater load | | | | 0.6 | | *25.48 | |
| Elmvale..... | 43.00 | 43.00 | 44,000.51 | 152.6 | 176.76 | 2,711.95 | 2,064.67 |
| Elmwood..... | 53.00 | 50.00 | 18,321.43 | 59.9 | 69.38 | 1,098.39 | 871.21 |
| Flesherton..... | 45.00 | 50.00 | 24,978.44 | 75.6 | 87.57 | 1,561.06 | 1,182.15 |
| Grand Valley..... | 58.00 | 60.00 | 42,848.34 | 103.8 | 120.24 | 2,423.38 | 2,020.10 |
| Gravenhurst..... | 24.00 | 28.00 | 123,251.04 | 609.4 | | 6,055.20 | 5,865.82 |
| Hanover..... | 35.00 | 35.00 | 244,743.65 | 918.2 | 1,063.59 | 11,464.66 | 11,511.28 |
| Water heater load | | | | 1.6 | | *54.38 | |
| Holstein..... | 90.00 | 90.00 | 14,491.22 | 17.2 | 19.92 | 826.58 | 685.97 |
| Huntsville..... | 26.00 | 28.00 | 225,369.17 | 951.5 | | 12,925.53 | 10,671.10 |
| Water heater load | | | | 1.2 | | *37.81 | |
| Kincardine..... | 58.00 | 58.00 | 198,043.04 | 474.1 | 549.17 | 8,935.70 | 9,410.26 |
| Water heater load | | | | 2.8 | | *147.26 | |
| Kirkfield..... | 60.00 | 60.00 | 11,025.25 | 22.6 | 26.18 | 553.33 | 520.27 |
| Lucknow..... | 63.00 | 63.00 | 86,045.36 | 182.2 | 211.05 | 3,902.32 | 4,095.09 |
| Markdale..... | 40.00 | 40.00 | 41,943.59 | 150.3 | 174.10 | 2,337.35 | 1,992.31 |
| Water heater load | | | | 0.4 | | *15.16 | |
| Meaford..... | 46.00 | 46.00 | 136,569.77 | 387.4 | 448.74 | 6,342.98 | 6,512.16 |
| Water heater load | | | | 0.6 | | *26.98 | |
| Midland..... | 35.00 | 35.00 | 653,715.41 | 2,513.3 | 2,911.27 | 31,788.27 | 30,729.93 |
| Water heater load | | | | 3.8 | | *127.44 | |
| Mildmay..... | 60.00 | 60.00 | 19,886.90 | 57.9 | 67.07 | 1,088.12 | 959.37 |
| Mount Forest..... | 48.00 | 50.00 | 114,732.39 | 329.4 | 381.56 | 6,282.25 | 5,430.91 |
| Neustadt..... | 70.00 | 70.00 | 30,586.21 | 30.7 | 35.56 | 972.24 | 1,440.45 |
| Orangeville..... | 45.00 | 48.00 | 198,253.24 | 539.6 | 625.04 | 9,854.82 | 9,344.07 |
| Water heater load | | | | 2.3 | | *109.80 | |
| Owen Sound..... | 36.00 | 36.00 | 827,269.38 | 3,151.0 | 3,649.96 | 40,295.34 | 39,251.54 |
| Water heater load | | | | 3.1 | | *105.40 | |
| Paisley..... | 55.00 | 60.00 | 52,780.42 | 111.0 | 128.58 | 2,283.51 | 2,514.43 |
| Penetanguishene..... | 40.00 | 40.00 | 169,665.45 | 556.9 | 645.08 | 7,523.41 | 7,950.37 |
| Water heater load | | | | 1.8 | | *68.34 | |
| Port Elgin..... | 40.00 | 40.00 | 63,647.31 | 210.8 | 244.18 | 3,247.57 | 3,062.19 |
| Water heater load | | | | 1.3 | | *52.07 | |
| Port McNicoll..... | 38.00 | 42.00 | 24,518.37 | 83.7 | 96.95 | 1,278.15 | 1,161.90 |
| Port Perry..... | 50.00 | 52.00 | 74,755.98 | 187.6 | 217.30 | 3,801.96 | 3,550.40 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|----------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 612.84 | 183.45 | 492.18 | 115.17 | 6,407.74 | 6,049.49 | | 371.13 |
| 4,798.54 | 1,376.63 | 3,919.65 | 946.49 | 50,436.11 | 51,019.69 | 509.59 | |
| 296.26 | 75.29 | 213.78 | 39.26 | 2,686.76 | 3,152.66 | 465.90 | |
| 609.67 | 148.20 | 438.28 | 79.68 | 5,916.00 | 5,887.63 | | 28.37 |
| 557.26 | 170.60 | 470.88 | 120.57 | 6,224.60 | 6,796.35 | 571.75 | |
| 1,406.41 | 417.51 | 1,160.15 | 285.10 | 15,695.81 | 17,075.87 | 1,354.58 | |
| 550.56 | 170.33 | 463.14 | 117.71 | 6,255.12 | 6,788.35 | 533.23 | |
| 237.11 | 74.13 | 192.85 | 46.21 | 2,589.28 | 3,126.02 | 536.74 | |
| 304.17 | 91.05 | 262.94 | 58.32 | 3,547.26 | 3,836.84 | 289.58 | |
| 630.63 | 149.48 | 449.89 | 80.07 | 5,873.79 | 6,423.96 | 550.17 | |
| 1,146.46 | 486.22 | 1,295.58 | 470.08 | 15,319.36 | 16,663.25 | 1,343.89 | |
| 2,912.37 | 968.62 | 2,575.96 | 708.28 | 31,204.76 | 33,483.03 | 2,223.89 | |
| 252.69 | 42.45 | 152.57 | 13.27 | 1,993.45 | 1,615.08 | | 378.37 |
| 2,450.02 | 830.21 | 2,370.34 | 733.98 | 29,981.18 | 27,211.74 | | 2,807.25 |
| 2,923.82 | 671.68 | 2,077.72 | 365.71 | 24,934.06 | 28,718.31 | 3,636.99 | |
| 171.48 | 36.65 | 115.95 | 17.43 | 1,441.29 | 1,411.26 | | 30.03 |
| 1,327.57 | 291.96 | 905.85 | 140.55 | 10,874.39 | 11,918.03 | 1,043.64 | |
| 480.98 | 155.63 | 441.52 | 115.94 | 5,697.83 | 6,246.07 | 533.08 | |
| 1,895.16 | 484.18 | 1,437.69 | 298.83 | 17,419.74 | 18,532.68 | 1,085.96 | |
| 7,648.53 | 2,388.93 | 6,880.74 | 1,938.72 | 84,286.39 | 91,445.55 | 7,031.72 | |
| 257.31 | 77.47 | 209.34 | 44.66 | 2,703.34 | 3,618.66 | 915.32 | |
| 1,583.15 | 402.33 | 1,207.55 | 254.09 | 15,541.84 | 16,936.35 | 1,394.51 | |
| 545.43 | 88.39 | 322.03 | 23.68 | 3,427.78 | 2,232.28 | | 1,195.50 |
| 2,763.11 | 689.82 | 2,067.48 | 416.24 | 25,760.58 | 26,699.88 | 829.50 | |
| 9,732.57 | 3,070.49 | 8,702.08 | 2,430.63 | 107,132.61 | 117,805.83 | 10,567.82 | |
| 815.99 | 180.66 | 555.66 | 85.62 | 6,564.45 | 6,834.75 | 270.30 | |
| 2,190.68 | 618.94 | 1,785.74 | 429.58 | 21,143.80 | 23,214.94 | 2,002.80 | |
| 817.92 | 239.15 | 670.00 | 162.61 | 8,443.62 | 8,813.18 | 317.49 | |
| 309.67 | 96.33 | 258.08 | 64.56 | 3,265.64 | 3,569.92 | 304.28 | |
| 1,086.56 | 249.99 | 785.09 | 144.71 | 9,836.01 | 10,055.25 | 219.24 | |

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

| Municipality | Interim rates per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|--|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Priceville..... | 85.00 | 85.00 | 8,628.88 | 16.7 | 19.34 | 412.91 | 408.11 |
| Ripley..... | 80.00 | 80.00 | 33,261.70 | 55.7 | 64.52 | 1,561.29 | 1,580.81 |
| Rosseau..... | 127.00 | 127.00 | 29,386.39 | 33.1 | | 1,259.54 | 1,413.48 |
| Shelburne..... | 46.00 | 46.00 | 67,053.06 | 197.9 | 229.24 | 4,140.49 | 3,154.90 |
| Water heater load | | | | 0.2 | | *9.64 | |
| Southampton..... | 40.00 | 40.00 | 59,238.29 | 210.4 | 243.71 | 3,425.19 | 2,848.75 |
| Water heater load | | | | 1.9 | | *74.63 | |
| Stayner..... | 44.00 | 44.00 | 59,023.33 | 193.9 | 224.60 | 3,594.03 | 2,792.33 |
| Water heater load | | | | 0.8 | | *34.53 | |
| Sunderland..... | 60.00 | 63.00 | 25,625.78 | 57.4 | 66.49 | 1,458.23 | 1,195.12 |
| Tara..... | 53.00 | 53.00 | 26,298.75 | 73.2 | 84.79 | 1,262.12 | 1,238.86 |
| Teeswater..... | 58.00 | 60.00 | 47,019.77 | 106.4 | 123.25 | 2,365.42 | 2,228.01 |
| Thornton..... | 85.00 | 80.00 | 10,778.54 | 20.5 | 23.75 | 572.45 | 508.50 |
| Tottenham..... | 92.00 | 95.00 | 42,835.45 | 60.1 | 69.62 | 1,639.76 | 2,029.58 |
| Uxbridge..... | 55.00 | 55.00 | 84,314.89 | 201.5 | 233.41 | 4,157.92 | 4,009.68 |
| Victoria Harbour..... | 46.00 | 46.00 | 23,206.10 | 72.5 | 83.98 | 1,222.36 | 1,096.42 |
| Walkerton..... | 38.00 | 38.00 | 121,227.75 | 443.0 | 513.15 | 6,181.93 | 5,830.58 |
| Water heater load | | | | 3.5 | | *126.08 | |
| Waubashene..... | 44.00 | 44.00 | 13,822.58 | 50.1 | 58.03 | 1,067.31 | 653.75 |
| Water heater load | | | | 0.4 | | *17.46 | |
| Warton..... | 65.00 | 65.00 | 110,415.76 | 207.8 | 240.70 | 5,383.18 | 5,314.70 |
| Windermere..... | 100.00 | 85.00 | 16,347.24 | 32.6 | | 868.99 | 784.65 |
| Wingham..... | 60.00 | 60.00 | 129,101.62 | 261.1 | 302.44 | 5,587.98 | 6,113.49 |
| Woodville..... | 56.00 | 58.00 | 24,573.30 | 58.0 | 67.18 | 1,330.18 | 1,143.93 |
| RURAL POWER DISTRICT | | | | | | | |
| Alliston R.P.D.—Essa, Tecumseth and Tossorontio twps..... | | | 29,659.00 | 78.6 | 91.05 | 1,276.04 | 1,420.32 |
| Arthur R.P.D.—Luther E. and Luther W. twps..... | | | 1,320.95 | 3.2 | 3.71 | 67.19 | 62.94 |
| Bala R.P.D.—Wood and Medora twp.. | | | 28,730.33 | 103.6 | 120.01 | 1,365.73 | 1,376.21 |
| Water heater load | | | | 0.8 | | *28.48 | |
| Barrie R.P.D.—Innisfil, Oro and Vespria twps..... | | | 77,475.19 | 235.0 | 272.21 | 3,555.02 | 3,702.40 |
| Water heater load | | | | 0.1 | | *4.29 | |
| Baysville R.P.D.—Franklin, Macaulay, McLean, Ridout and Sherbourne twps..... | | | 17,444.69 | 47.9 | | 1,169.02 | 839.99 |
| Beaumaris R.P.D.—Macaulay, Monck, Muskoka and Wood and Medora twps..... | | | 35,465.73 | 143.2 | | 1,730.12 | 1,692.19 |
| Water heater load | | | | 2.0 | | *62.22 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 135.24 | 37.67 | 90.16 | 12.88 | 1,116.31 | 1,466.36 | 350.05 | ..... |
| 545.01 | 106.65 | 350.19 | 42.97 | 4,251.44 | 4,625.49 | 374.05 | ..... |
| 515.76 | 89.97 | 309.13 | 25.53 | 3,613.41 | 4,361.26 | 747.85 | ..... |
| 907.09 | 249.32 | 702.29 | 152.66 | 9,535.99 | 9,438.60 | ..... | 107.03 |
| ..... | ..... | ..... | ..... | 9.64 | ..... | ..... | ..... |
| 730.61 | 229.93 | 623.57 | 162.30 | 8,264.06 | 8,798.42 | 459.73 | ..... |
| ..... | ..... | ..... | ..... | 74.63 | ..... | ..... | ..... |
| 761.83 | 225.13 | 621.27 | 149.57 | 8,368.76 | 8,867.50 | 464.21 | ..... |
| ..... | ..... | ..... | ..... | 34.53 | ..... | ..... | ..... |
| 388.23 | 86.39 | 269.58 | 44.28 | 3,508.32 | 3,712.00 | 203.68 | ..... |
| 367.94 | 100.28 | 276.84 | 56.47 | 3,387.30 | 3,993.16 | 605.86 | ..... |
| 710.70 | 180.36 | 495.00 | 82.08 | 6,184.82 | 6,589.41 | 404.59 | ..... |
| 171.23 | 39.05 | 113.43 | 15.81 | 1,444.22 | 1,712.72 | 268.50 | ..... |
| 726.06 | 133.13 | 450.51 | 46.36 | 5,095.02 | 5,885.69 | 790.67 | ..... |
| 1,248.08 | 283.71 | 885.91 | 155.43 | 10,974.14 | 11,500.94 | 526.80 | ..... |
| 307.63 | 87.76 | 244.29 | 55.93 | 3,098.37 | 3,453.27 | 354.90 | ..... |
| 1,350.21 | 464.65 | 1,276.03 | 341.72 | 15,958.27 | 17,602.68 | 1,518.33 | ..... |
| ..... | ..... | ..... | ..... | 126.08 | ..... | ..... | ..... |
| 168.31 | 55.59 | 145.50 | 38.65 | 2,187.14 | 2,296.04 | 91.44 | ..... |
| ..... | ..... | ..... | ..... | 17.46 | ..... | ..... | ..... |
| 1,759.69 | 361.25 | 1,162.43 | 160.29 | 14,382.24 | 14,042.86 | ..... | 339.38 |
| 256.42 | 57.58 | 172.02 | 25.15 | 2,164.81 | 2,915.47 | 750.66 | ..... |
| 2,018.38 | 443.21 | 1,359.15 | 201.41 | 16,026.06 | 16,326.01 | 299.95 | ..... |
| 365.88 | 82.64 | 258.49 | 44.74 | 3,293.04 | 3,460.29 | 167.25 | ..... |
| 423.21 | 103.39 | 312.07 | 60.63 | 3,686.71 | 3,686.71 | see page | 223 |
| 19.44 | 4.61 | 13.87 | 2.47 | 174.23 | 174.23 | " | " |
| 325.49 | 109.62 | 302.33 | 79.92 | 3,679.31 | 3,707.79 | " | " |
| ..... | ..... | ..... | ..... | 28.48 | ..... | ..... | ..... |
| 1,041.68 | 308.81 | 815.29 | 181.27 | 9,876.68 | 9,880.97 | " | " |
| ..... | ..... | ..... | ..... | 4.29 | ..... | ..... | ..... |
| 245.35 | 77.14 | 183.57 | 36.95 | 2,552.02 | 2,552.02 | " | " |
| 400.28 | 148.30 | 373.35 | 110.46 | 4,454.70 | 4,516.92 | " | " |
| ..... | ..... | ..... | ..... | 62.22 | ..... | ..... | ..... |

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Beaverton R.P.D.—Brock, Georgina, Mara and Thorah twps. | 41,769.58 | 129.0 | 149.42 | 2,517.95 | 2,000.80 |
| Beeton R.P.D.—Tecumseth twp. | 2,145.55 | 3.8 | 4.40 | 80.49 | 103.15 |
| Bradford R.P.D.—Gwillimbury W., King and Tecumseth twps. | 20,439.71 | 40.9 | 47.38 | 860.38 | 982.12 |
| Bruce R.P.D.—Brant, Carrick, Culross, Greenock and Saugeen twps. . | 38,289.76 | 99.9 | 115.71 | 1,653.29 | 1,842.02 |
| Water heater load | | 0.1 | | *3.82 | |
| Buckskin R.P.D.—Matchedash and Wood and Medora twps. | 5,604.47 | 13.8 | 15.98 | 223.42 | 267.50 |
| Cannington R.P.D.—Brock, Eldon and Mariposa twps. | 11,810.71 | 36.0 | 41.70 | 621.57 | 552.19 |
| Chatsworth R.P.D.—Holland twp. . | 3,909.54 | 8.7 | 10.08 | 300.96 | 187.18 |
| Cookstown R.P.D.—Essa and Innisfil twps. | 319.32 | 0.8 | 0.93 | 13.80 | 15.30 |
| Creemore R.P.D.—Nottawasaga, Osprey, Sunnidale and Tossorontio twps. | 18,556.34 | 55.0 | 63.71 | 953.45 | 891.21 |
| Elmvale R.P.D.—Flos, Medonte, Oro and Vespra twps. | 19,643.14 | 60.0 | 69.50 | 889.77 | 937.90 |
| Flesherton R.P.D.—Artemesia twp. . | 2,556.06 | 8.0 | 9.27 | 127.31 | 120.42 |
| Gravenhurst R.P.D.—Muskoka twp. . | 5,080.26 | 23.0 | | 351.46 | 241.70 |
| Hawkestone R.P.D.—Orillia and Oro twps. | 613.46 | 67.7 | 1,567.34 | 126.44 | 25.66 |
| Holstein R.P.D.—Bentinck, Egremont and Normanby twps. | | | | | |
| Huntsville R.P.D.—Brunel, Chaffey and Franklin twps. | 10,803.44 | 36.4 | | 640.04 | 518.15 |
| Innisfil R.P.D.—Gwillimbury W. and Innisfil twps. | 69,476.44 | 178.4 | 206.65 | 2,889.20 | 3,325.29 |
| Water heater load | | 0.3 | | *14.37 | |
| Lucknow R.P.D.—Kinloss twp. | | | | | |
| Mariposa R.P.D.—Brock, Mariposa and Reach twps. | 43,455.20 | 128.6 | 148.96 | 2,099.81 | 2,053.35 |
| Markdale R.P.D.—Artemesia, Euphrasia, Glenelg and Holland twps. . | 10,694.49 | 29.6 | 34.29 | 550.47 | 512.84 |
| Meaford R.P.D.—St. Vincent twp. . | | | | | |
| Medonte R.P.D.—Baxter and Tay twps. | 5,683.53 | 20.6 | 23.86 | 335.78 | 272.50 |
| Water heater load | | 0.2 | | *7.77 | |
| Midland R.P.D.—Tay and Tiny twps. . | 5,856.59 | 22.9 | 26.53 | 342.09 | 280.38 |
| Neustadt R.P.D.—Bentinck twp. | | | | | |
| Nottawasaga R.P.D.—Nottawasaga twp. | 8,339.94 | 25.9 | 30.00 | 473.32 | 387.28 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 556.28 | 155.22 | 439.36 | 99.50 | 5,918.53 | 5,918.53 | see page | 223 |
| 34.67 | 6.89 | 22.57 | 2.93 | 255.10 | 255.10 | " | " |
| 320.32 | 69.78 | 215.09 | 31.55 | 2,526.62 | 2,526.62 | " | " |
| 542.19 | 140.32 | 403.09 | 77.08 | 4,773.70 | 4,777.52 | " | " |
| ..... | ..... | ..... | ..... | 3.82 | ..... | ..... | ..... |
| 82.30 | 24.29 | 59.00 | 10.65 | 683.14 | 683.14 | " | " |
| 158.26 | 42.84 | 124.20 | 27.77 | 1,568.53 | 1,568.53 | " | " |
| 59.41 | 16.90 | 41.16 | 6.71 | 622.40 | 622.40 | " | " |
| 4.66 | 1.18 | 3.36 | 0.62 | 39.85 | 39.85 | " | " |
| 252.37 | 68.39 | 195.32 | 42.43 | 2,466.88 | 2,466.88 | " | " |
| 263.32 | 80.34 | 206.77 | 46.28 | 2,493.88 | 2,493.88 | " | " |
| 30.44 | 10.18 | 26.91 | 6.17 | 330.70 | 330.70 | " | " |
| 51.84 | 20.52 | 53.41 | 17.74 | 736.67 | 736.67 | " | " |
| 12.28 | 3.06 | 6.46 | 52.22 | 1,793.46 | 1,793.46 | " | " |
| | | | | | | " | " |
| 137.36 | 42.67 | 113.65 | 28.08 | 1,479.95 | 1,479.95 | " | " |
| 1,003.67 | 249.67 | 731.00 | 137.61 | 8,543.09 | 8,557.46 | " | " |
| ..... | ..... | ..... | ..... | 14.37 | ..... | " | " |
| 590.25 | 156.71 | 456.79 | 99.20 | 5,605.07 | 5,605.07 | " | " |
| 147.85 | 44.98 | 112.58 | 22.84 | 1,425.85 | 1,425.85 | " | " |
| ..... | ..... | ..... | ..... | ..... | ..... | see page | 225 |
| 69.20 | 22.86 | 59.82 | 15.89 | 799.91 | 807.68 | " | " |
| 67.70 | 21.41 | 61.65 | 17.66 | 7.77 | 817.42 | " | " |
| ..... | ..... | ..... | ..... | 817.42 | ..... | " | " |
| 110.88 | 31.45 | 87.78 | 19.98 | 1,140.69 | 1,140.69 | " | " |

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Orangeville R.P.D.—Amaranth, Caledon, Erin and Garafraxa E. twps... | 12,617.89 | 32.3 | 37.41 | 561.23 | 595.34 |
| Owen Sound R.P.D.—Derby, Sarawak and Sydenham twps..... | 6,379.75 | 24.3 | 28.15 | 302.77 | 306.99 |
| Port Perry R.P.D.—Cartwright, Manvers, Reach and Scugog twps..... | 42,916.32 | 105.7 | 122.44 | 2,414.01 | 2,046.95 |
| Ripley R.P.D.—Huron and Kinloss twps..... | 4,542.12 | 10.1 | 11.70 | 200.33 | 217.69 |
| Sauble R.P.D.—Amabel and Keppel twps..... | 8,671.21 | 16.5 | 19.11 | 377.05 | 417.68 |
| Shelburne R.P.D.—Amaranth, Melancthon and Mulmur twps..... | 9,533.54 | 25.7 | 29.77 | 620.45 | 453.96 |
| Sparrow Lake R.P.D.—Matchedash, Morrison, Orillia N. and Rama twps. Water heater load | 28,165.67 | 105.7 0.1 | 122.44 | 1,202.51 *3.30 | 1,336.90 |
| Tara R.P.D.—Amabel, Arran, Derby and Keppel twps..... | 17,474.28 | 48.1 | 55.72 | 906.57 | 832.09 |
| Thornton R.P.D.—Essa twp..... | 7,285.22 | 13.1 | 15.17 | 336.34 | 349.43 |
| Utterson R.P.D.—Cardwell, Humphrey, Stephenson, Watt, and Wood and Medora twps..... | 20,000.39 | 50.7 | ..... | 815.82 | 958.68 |
| Uxbridge R.P.D.—Brock, Georgina, Reach, Scott and Uxbridge twps.... | 39,501.46 | 93.3 | 108.07 | 1,953.15 | 1,882.75 |
| Wasaga Beach R.P.D.—Flos, Nottawasaga and Sunnidale twps..... | 51,169.79 | 168.1 | 194.72 | 2,562.45 | 2,426.52 |
| Wroxeter R.P.D.—Howick, Morris and Turnberry twps..... | 50,996.87 | 97.0 | 112.36 | 2,081.30 | 2,433.22 |
| Totals—Municipalities..... | 6,157,625.18 | 20,026.4 | 21,313.30 | 311,549.97 | 291,396.66 |
| Water heater loads..... | | 31.3 | ..... | *1,235.85 | ..... |
| Totals—Rural Power Districts..... | 814,397.93 | 2,391.1 | 3,909.75 | 39,548.10 | 38,869.19 |
| Water heater loads..... | | 3.6 | ..... | *124.25 | ..... |
| Totals—Companies and distributing systems..... | 620,329.47 | 1,807.3 | 2,093.47 | 30,705.87 | 29,824.63 |
| | 7,592,352.58 | | | | |
| Non-operating capital..... | 8,514.50 | | | | |
| Grand totals..... | 7,600,867.08 | 24,259.7 | 27,316.52 | 383,164.04 | 360,090.48 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|----------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 180.41 | 45.04 | 131.66 | 24.92 | 1,576.01 | 1,576.01 | see page | 225 |
| 75.06 | 23.68 | 67.11 | 18.74 | 822.50 | 822.50 | " | " |
| 628.12 | 144.84 | 450.73 | 81.54 | 5,888.63 | 5,888.63 | " | " |
| 69.04 | 15.61 | 47.82 | 7.79 | 569.98 | 569.98 | " | " |
| 137.81 | 31.25 | 91.29 | 12.73 | 1,086.92 | 1,086.92 | " | " |
| 134.32 | 36.50 | 99.90 | 19.82 | 1,394.72 | 1,394.72 | " | " |
| 335.14 | 112.30 | 296.47 | 81.54 | 3,487.30 3.30 | 3,490.60 | " | " |
| 245.64 | 70.41 | 183.95 | 37.10 | 2,331.48 | 2,331.48 | " | " |
| 117.38 | 26.94 | 76.67 | 10.11 | 932.04 | 932.04 | " | " |
| 290.43 | 72.06 | 210.48 | 39.11 | 2,386.58 | 2,386.58 | " | " |
| 587.12 | 133.68 | 415.06 | 71.97 | 5,151.80 | 5,151.80 | " | " |
| 660.46 | 195.17 | 538.61 | 129.67 | 6,707.60 | 6,707.60 | " | " |
| 807.05 | 178.96 | 535.05 | 74.82 | 6,222.76 | 6,222.76 | " | " |
| 79,625.63 | 22,439.34 | 64,767.20 | 15,448.03 | 806,540.13 1,235.85 | 863,748.55 | 61,309.81 | 5,337.24 |
| 11,218.68 | 3,047.97 | 8,565.25 | 1,844.47 | 107,003.41 124.25 | 107,127.66 | | |
| 8,376.91 | 2,770.98 | 6,507.93 | (17,292.50) | 62,987.29 | 62,987.29 | | |
| 99,221.22 | 28,258.29 | 79,840.38 | | 977,890.93 | 1,033,863.50 | | |

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|---|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Alliston R.P.D. —Essa, Tecumseth and Tossorontio twps. | 38,476.46 | 18,986.95 | 19,489.51 | 3,686.71 |
| Arthur R.P.D. —Luther E. and Luther W. twps. | *4,303.91 | 2,105.26 | 2,198.65 | 174.23 |
| Bala R.P.D. —Wood and Medora twp. | *62,316.35 | 30,274.16 | 32,042.19 | 3,707.79 |
| Barrie R.P.D. —Innisfil, Oro and Vespra twps. | 122,538.62 | 61,269.31 | 61,269.31 | 9,880.97 |
| Baysville R.P.D. —Franklin, Macaulay, McLean, Ridout and Sherbourne twps. | 68,729.20 | 34,364.60 | 34,364.60 | 2,552.02 |
| Beaumaris R.P.D. —Macaulay, Monck, Muskoka, Wood and Medora twps. | 66,062.87 | 33,031.44 | 33,031.43 | 4,516.92 |
| Beaverton R.P.D. —Brock, Georgina, Mara and Thorah twps. | *57,360.58 | 28,400.68 | 28,959.90 | 5,918.53 |
| Beeton R.P.D. —Tecumseth twp. | 3,018.23 | 1,509.11 | 1,509.12 | 255.10 |
| Bradford R.P.D. —Gwillimbury W., King and Tecumseth twps. | 37,348.15 | 18,509.01 | 18,839.14 | 2,526.62 |
| Bruce R.P.D. —Brant, Carrick, Culross, Greenock and Saugeen twps. | *58,770.96 | 27,769.19 | 31,001.77 | 4,777.52 |
| Buckskin R.P.D. —Matchedash, Wood and Medora twps. | 4,078.59 | 2,039.29 | 2,039.30 | 683.14 |
| Cannington R.P.D. —Brock, Eldon and Mariposa twps. | *19,300.43 | 8,033.14 | 11,267.29 | 1,568.53 |
| Chatsworth R.P.D. —Holland twp. | 1,414.37 | 707.19 | 707.18 | 622.40 |
| Cookstown R.P.D. —Essa and Innisfil twps. | 704.54 | 352.27 | 352.27 | 39.85 |
| Creemore R.P.D. —Nottawasaga, Osprey, Sunnidale and Tossorontio twps. | *45,796.11 | 22,234.97 | 23,561.14 | 2,466.88 |
| Elmvale R.P.D. —Flos, Medonte, Oro and Vespra twps. | 39,707.49 | 19,720.57 | 19,986.92 | 2,493.88 |
| Flesherton R.P.D. —Artemesia twp. | *5,286.73 | 2,456.59 | 2,830.14 | 330.70 |
| Gravenhurst R.P.D. —Muskoka twp. | 4,960.99 | 2,480.49 | 2,480.50 | 736.67 |
| Hawkestone R.P.D. —Orillia and Oro twps. | 44,823.40 | 22,411.70 | 22,411.70 | 1,793.46 |
| Holstein R.P.D. —Bentinck, Egremont and Normanby twps. | 1,897.34 | 948.67 | 948.67 | ..... |
| Huntsville R.P.D. —Brunel, Chaffey and Franklin twps. | 47,521.93 | 23,760.96 | 23,760.97 | 1,479.95 |
| Innisfil R.P.D. —Gwillimbury W. and Innisfil twps. | 78,694.24 | 39,347.12 | 39,347.12 | 8,557.46 |
| Lucknow R.P.D. —Kinloss twp. | 637.09 | 318.55 | 318.54 | ..... |
| Mariposa R.P.D. —Brock, Mariposa and Reach twps. | 76,123.16 | 38,061.58 | 38,061.58 | 5,605.07 |
| Markdale R.P.D. —Artemesia, Euphrasia, Glenelg and Holland twps. | *28,470.47 | 14,109.17 | 14,361.30 | 1,425.85 |

NOTE.—Items marked * include portions of transmission lines aggregating \$10,279.48 used for purposes of rural power districts.

RURAL POWER DISTRICTS

G.B.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1933.

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,766.49 | 933.87 | 764.03 | 764.03 | 203.77 | 8,118.90 | 8,432.03 | 313.13 | ..... |
| 46.32 | 105.96 | 85.96 | 85.96 | 23.12 | 521.55 | 625.92 | 104.37 | ..... |
| 4,425.21 | 1,477.91 | 1,189.68 | 1,189.68 | 322.48 | 12,312.75 | 9,660.41 | ..... | 2,652.34 |
| 4,633.04 | 2,891.15 | 2,396.47 | 2,396.47 | 630.87 | 22,828.97 | 21,185.61 | ..... | 1,643.36 |
| 1,659.35 | 1,632.80 | 1,353.42 | 1,353.42 | 356.29 | 8,907.30 | 4,737.17 | ..... | 4,170.13 |
| 3,128.55 | 1,491.80 | 1,236.55 | 1,236.55 | 325.52 | 11,935.89 | 12,255.92 | 320.03 | ..... |
| 3,539.31 | 1,339.19 | 1,100.29 | 1,100.29 | 292.22 | 13,289.83 | 10,568.20 | ..... | 2,721.63 |
| 89.56 | 72.67 | 60.24 | 60.24 | 15.86 | 553.67 | 327.95 | ..... | 225.72 |
| 1,216.08 | 907.95 | 746.00 | 746.00 | 198.13 | 6,340.78 | 4,401.56 | ..... | 1,939.22 |
| 2,204.34 | 1,232.88 | 958.88 | 958.88 | 269.03 | 10,401.53 | 10,633.12 | 231.59 | ..... |
| 239.26 | 88.98 | 73.76 | 73.76 | 19.42 | 1,178.32 | 946.73 | ..... | 231.59 |
| 709.39 | 543.73 | 386.01 | 386.01 | 118.65 | 3,712.32 | 4,085.51 | 373.19 | ..... |
| 123.86 | 34.09 | 28.26 | 28.26 | 7.44 | 844.31 | 789.36 | ..... | 54.95 |
| 5.93 | 16.98 | 14.07 | 14.07 | 3.70 | 94.60 | 144.54 | 49.94 | ..... |
| 1,305.48 | 1,133.15 | 912.73 | 912.73 | 247.27 | 6,978.24 | 4,868.29 | ..... | 2,109.95 |
| 1,572.80 | 963.95 | 793.69 | 793.69 | 210.34 | 6,828.35 | 6,595.87 | ..... | 232.48 |
| 271.15 | 135.80 | 105.09 | 105.09 | 29.63 | 977.46 | 826.26 | ..... | 151.20 |
| 256.73 | 113.22 | 93.85 | 93.85 | 24.70 | 1,319.02 | 1,143.58 | ..... | 175.44 |
| 1,408.31 | 1,068.00 | 885.26 | 885.26 | 233.05 | 6,273.34 | 5,247.27 | ..... | 1,026.07 |
| 21.78 | 44.96 | 37.34 | 37.34 | 9.83 | 151.25 | 80.25 | ..... | 71.00 |
| 1,173.28 | 970.05 | 804.07 | 804.07 | 211.67 | 5,443.09 | 3,674.81 | ..... | 1,768.28 |
| 3,566.40 | 1,778.82 | 1,474.46 | 1,474.46 | 388.15 | 17,239.75 | 16,796.94 | ..... | 442.81 |
| 32.58 | 15.19 | 12.74 | 12.74 | 3.35 | 76.60 | 51.22 | ..... | 25.38 |
| 2,903.13 | 1,813.04 | 1,502.82 | 1,502.82 | 395.62 | 13,722.50 | 14,667.67 | 945.17 | ..... |
| 1,051.22 | 659.95 | 541.98 | 541.98 | 144.01 | 4,364.99 | 3,567.20 | ..... | 797.79 |

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Meaford R.P.D.—St. Vincent twp. | 1,971.26 | 985.63 | 985.63 | ..... |
| Medonte R.P.D.—Baxter and Tay twps. | 17,479.52 | 8,739.76 | 8,739.76 | 807.68 |
| Midland R.P.D.—Tay and Tiny twps. | 17,075.95 | 8,537.97 | 8,537.98 | 817.42 |
| Neaustadt R.P.D.—Bentinck twp. | 1,041.69 | 520.84 | 520.85 | ..... |
| Nottawasaga R.P.D.—Nottawasaga twp. | 16,816.07 | 8,408.04 | 8,408.03 | 1,140.69 |
| Orangeville R.P.D.—Amaranth, Caledon, Erin and Garafraxa E. twps. | 33,300.97 | 16,650.49 | 16,650.48 | 1,576.01 |
| Owen Sound R.P.D.—Derby, Sarawak and Sydenham twps. | 12,768.57 | 6,384.29 | 6,384.28 | 822.50 |
| Port Perry R.P.D.—Cartwright, Manvers, Reach and Scugog twps. | 73,453.44 | 36,726.72 | 36,726.72 | 5,888.63 |
| Ripley R.P.D.—Huron and Kinloss twps. | *8,511.30 | 3,984.83 | 4,526.47 | 569.98 |
| Sauble R.P.D.—Amabel and Keppel twps. | 4,338.83 | 2,169.42 | 2,169.41 | 1,086.92 |
| Shelburne R.P.D.—Amaranth, Melancthon and Mulmur twps. | 26,230.20 | 12,497.02 | 13,733.18 | 1,394.72 |
| Sparrow Lake R.P.D.—Matchedash, Morrison, Orillia N. and Rama twps. | 75,845.16 | 37,922.58 | 37,922.58 | 3,490.60 |
| Tara R.P.D.—Amabel, Arran, Derby and Keppel twps. | 30,321.32 | 15,160.66 | 15,160.66 | 2,331.48 |
| Thornton R.P.D.—Essa twp. | 9,479.12 | 4,739.56 | 4,739.56 | 932.04 |
| Utterson R.P.D.—Cardwell, Humphrey, Stephenson, Watt and Wood and Medora twps. | *39,684.03 | 19,047.37 | 20,636.66 | 2,386.58 |
| Uxbridge R.P.D.—Brock, Georgina, Reach, Scott and Uxbridge twps. | 84,696.52 | 42,348.26 | 42,348.26 | 5,151.80 |
| Wasaga Beach R.P.D.—Flos, Nottawasaga and Sunnidale twps. | 57,516.97 | ..... | 57,516.97 | 6,707.60 |
| Wroxeter R.P.D.—Howick, Morris and Turnberry twps. | 74,612.45 | 35,925.80 | 38,686.65 | 6,222.76 |
| | 1,503,485.58 | 713,951.21 | 789,534.37 | |
| Non-operating capital. | 2,872.74 | 1,436.37 | 1,436.37 | |
| Totals. | 1,506,358.32 | 715,387.58 | 790,970.74 | 107,127.66 |

NOTE.—Items marked * include portions of transmission lines aggregating \$10,279.48 used for purposes of rural power districts.

RURAL POWER DISTRICTS

G.B.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1933.

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|-----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 7.45 | 46.99 | 39.12 | 39.12 | 10.30 | 142.98 | 81.20 | ..... | 61.78 |
| 462.46 | 411.18 | 340.83 | 340.83 | 89.72 | 2,452.70 | 1,747.20 | ..... | 705.50 |
| 412.82 | 411.52 | 341.11 | 341.11 | 89.80 | 2,413.78 | 1,975.37 | ..... | 438.41 |
| 3.97 | 24.87 | 20.75 | 20.75 | 5.46 | 75.80 | 29.47 | ..... | 46.33 |
| 664.94 | 404.21 | 335.05 | 335.05 | 88.20 | 2,968.14 | 3,188.29 | 220.15 | ..... |
| 815.57 | 802.25 | 664.98 | 664.98 | 175.06 | 4,698.85 | 3,622.89 | ..... | 1,075.96 |
| 651.80 | 165.15 | 136.89 | 136.89 | 36.04 | 1,949.27 | 1,382.78 | ..... | 566.49 |
| 2,434.95 | 1,722.69 | 1,427.93 | 1,427.93 | 375.90 | 13,278.03 | 11,988.36 | ..... | 1,289.67 |
| 186.69 | 209.89 | 163.14 | 163.14 | 45.80 | 1,338.64 | 758.98 | ..... | 579.66 |
| 523.19 | 100.14 | 83.00 | 83.00 | 21.85 | 1,898.10 | 1,356.15 | ..... | 541.95 |
| 1,302.81 | 656.13 | 519.14 | 519.14 | 143.18 | 4,535.12 | 2,800.73 | ..... | 1,734.39 |
| 2,144.95 | 1,788.64 | 1,482.60 | 1,482.60 | 390.30 | 10,779.69 | 9,701.29 | ..... | 1,078.40 |
| 1,689.70 | 720.06 | 596.86 | 596.86 | 157.12 | 6,092.08 | 5,465.83 | ..... | 626.25 |
| 112.25 | 228.71 | 189.58 | 189.58 | 49.90 | 1,702.06 | 1,272.16 | ..... | 429.90 |
| 1,348.43 | 923.64 | 733.86 | 733.86 | 201.54 | 6,327.91 | 6,343.24 | 15.33 | ..... |
| 2,065.89 | 2,029.14 | 1,681.95 | 1,681.95 | 442.77 | 13,053.50 | 10,006.50 | ..... | 3,047.00 |
| 2,346.97 | 2,629.08 | 1,089.62 | 1,089.62 | 573.68 | 14,436.57 | 14,958.31 | 521.74 | ..... |
| 2,320.33 | 1,859.81 | 1,486.38 | 1,486.38 | 405.82 | 13,781.48 | 13,407.34 | ..... | 374.14 |
| 56,844.72 | 36,600.19 | 28,890.44 | 28,890.44 | 7,986.56 | 266,340.01 | 236,399.48 | 3,094.64 | 33,035.17 |

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|----------------------|--------------------------|--|-----------|--|----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Alliston..... | June, 1918 | 1,326.03 | | | 1,326.03 |
| Arthur..... | Dec., 1916 | | 1,550.64 | | |
| Barrie..... | April, 1913 | | 10,637.05 | 567.52 | |
| Beaverton..... | Nov., 1914 | 570.36 | | | 570.36 |
| Beeton..... | Aug., 1918 | 581.97 | | | 581.97 |
| Bradford..... | Oct., 1918 | 588.52 | | 8.83 | 597.35 |
| Brechin..... | Jan., 1915 | 237.63 | | | 237.63 |
| Cannington..... | Nov., 1914 | 480.20 | | | 480.20 |
| Chatsworth..... | Dec., 1915 | | 92.27 | 92.27 | |
| Chesley..... | July, 1916 | 2,305.35 | | | 2,305.35 |
| Coldwater..... | Mar., 1913 | 538.24 | | | 538.24 |
| Collingwood..... | Mar., 1913 | 455.16 | | 385.18 | 840.34 |
| Cookstown..... | May, 1918 | 259.75 | | | 259.75 |
| Creemore..... | Nov., 1914 | 527.83 | | | 527.83 |
| Dundalk..... | Dec., 1915 | | 93.64 | | |
| Durham..... | Dec., 1915 | | 1,758.80 | 1,758.80 | |
| Elmvale..... | June, 1913 | 438.90 | | | 438.90 |
| Elmwood..... | April, 1918 | 646.92 | | | 646.92 |
| Flesherton..... | Dec., 1915 | | 211.08 | 211.08 | |
| Grand Valley..... | Dec., 1916 | | 741.69 | 741.69 | |
| Gravenhurst..... | Nov., 1915 | | 2,310.44 | | |
| Hanover..... | Sept., 1916 | | 750.90 | 750.90 | |
| Holstein..... | May, 1916 | | 3,035.43 | 609.85 | |
| Huntsville..... | Sept., 1916 | 1,918.30 | | | 1,918.30 |
| Kincardine..... | Mar., 1921 | 2,255.17 | | | 2,255.17 |
| Kirkfield..... | June, 1920 | | 209.61 | | |
| Lucknow..... | Jan., 1921 | 688.78 | | | 688.78 |
| Markdale..... | Mar., 1916 | | 66.59 | 66.59 | |
| Meaford..... | Jan., 1924 | 1,018.49 | | | 1,018.49 |
| Midland..... | July, 1911 | | 5,560.22 | 5,560.22 | |
| Mildmay..... | Dec., 1932 | | | | |
| Mount Forest..... | Dec., 1915 | | 2,673.32 | 2,673.32 | |
| Neustadt..... | Dec., 1918 | | 4,547.61 | | |
| Orangeville..... | July, 1916 | 69.42 | | | 69.42 |
| Owen Sound..... | Dec., 1915 | 342.62 | | | 342.62 |
| Paisley..... | Sept., 1923 | | 1,110.25 | 1,110.25 | |
| Penetanguishene..... | July, 1911 | 402.13 | | | 402.13 |
| Port Elgin..... | Mar., 1931 | 308.38 | | | 308.38 |
| Port McNicoll..... | Jan., 1915 | | 516.48 | | |
| Port Perry..... | Sept., 1922 | | 238.80 | 238.80 | |
| Priceville..... | Mar., 1920 | | 20.20 | 20.20 | |
| Ripley..... | Jan., 1921 | 146.87 | | | 146.87 |
| Rosseau..... | July, 1931 | 275.51 | | | 275.51 |
| Shelburne..... | July, 1916 | 82.22 | | | 82.22 |
| Southampton..... | Feb., 1931 | 486.70 | | | 486.70 |

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1932; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933.

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|---------|---|----------|---|----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 13.51 | | 1,546.06 | | 1,559.57 | |
| | 62.03 | 596.08 | | | 1,016.59 |
| | 409.81 | 7,126.16 | | | 3,353.18 |
| 7.06 | | 207.36 | | 214.42 | |
| 8.29 | | 927.47 | | 935.76 | |
| | | | | | |
| 9.76 | | 1,336.32 | | 1,346.08 | |
| 3.93 | | 322.64 | | 326.57 | |
| 6.79 | | 466.76 | | 473.55 | |
| | 1.31 | | 80.18 | | 81.49 |
| 32.37 | | 1,870.47 | | 1,902.84 | |
| | | | | | |
| 7.91 | | | 371.13 | | 363.22 |
| 11.33 | | 509.59 | | 520.92 | |
| 3.59 | | 465.90 | | 469.49 | |
| 7.00 | | | 28.37 | | 21.37 |
| | 3.75 | 571.75 | | 474.36 | |
| | | | | | |
| | 33.92 | 1,354.58 | | 1,320.66 | |
| 7.86 | | 533.23 | | 541.09 | |
| 8.71 | | 536.74 | | 545.45 | |
| | 3.77 | 289.58 | | 285.81 | |
| | 11.95 | 550.17 | | 538.22 | |
| | | | | | |
| | 92.42 | 1,343.89 | | | 1,058.97 |
| | 11.36 | 2,223.89 | | 2,212.53 | |
| | 110.88 | | 378.37 | | 2,914.83 |
| 25.65 | | | 2,807.25 | | 2,781.60 |
| 30.18 | | 3,636.99 | | 3,667.17 | |
| | | | | | |
| | 8.38 | | 30.03 | | 248.02 |
| 9.59 | | 1,043.64 | | 1,053.23 | |
| | 0.88 | 533.08 | | 532.20 | |
| 13.73 | | 1,085.96 | | 1,099.69 | |
| | 83.48 | 7,031.72 | | 6,948.24 | |
| | | | | | |
| | | 915.32 | | 915.32 | |
| | 36.03 | 1,394.51 | | 1,358.48 | |
| | 181.90 | | 1,195.50 | | 5,925.01 |
| 1.15 | | 829.50 | | 830.65 | |
| 4.99 | | 10,567.82 | | 10,572.81 | |
| | | | | | |
| | 22.51 | 270.30 | | 247.79 | |
| 5.91 | | 2,002.80 | | 2,008.71 | |
| 4.36 | | 317.49 | | 321.85 | |
| | 20.66 | 304.28 | | | 232.86 |
| | 3.38 | 219.24 | | 215.86 | |
| | | | | | |
| | 0.38 | 350.05 | | 349.67 | |
| 1.95 | | 374.05 | | 376.00 | |
| 3.65 | | 747.85 | | 751.50 | |
| 1.05 | | | 107.03 | | 105.98 |
| 6.35 | | 459.73 | | 466.08 | |

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|------------------------|--------------------------|--|----------|--|---------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Stayner..... | Oct., 1913 | 473.62 | | | 473.62 |
| Sunderland..... | Nov., 1914 | | 233.87 | 233.87 | |
| Tara..... | Feb., 1918 | 393.59 | | | 393.59 |
| Teeswater..... | Dec., 1920 | | 208.81 | | |
| Thornton..... | Nov., 1918 | 273.64 | | | 273.64 |
| Tottenham..... | Oct., 1918 | | 280.14 | 282.48 | 2.34 |
| Uxbridge..... | Sept., 1922 | 349.36 | | | 349.36 |
| Victoria Harbour..... | July, 1914 | 74.58 | | | 74.58 |
| Walkerton..... | Feb., 1931 | 361.19 | | | 361.19 |
| Waubauskene..... | Dec., 1914 | 213.14 | | | 213.14 |
| Warton..... | May, 1931 | 617.71 | | | 617.71 |
| Windermere..... | June, 1930 | 764.13 | | | 764.13 |
| Wingham..... | Dec., 1920 | 116.38 | | | 116.38 |
| Woodville..... | Nov., 1914 | 36.72 | | | 36.72 |
| RURAL POWER DISTRICT* | | | | | |
| Alliston R.P.D..... | Nov., 1929 | 1,565.32 | | | 80.00 |
| Arthur R.P.D..... | Dec., 1929 | | 124.67 | | |
| Bala R.P.D..... | Jan., 1930 | | 3,160.26 | | 120.00 |
| Barrie R.P.D..... | Aug., 1923 | | 4,129.32 | | 130.00 |
| Baysville R.P.D..... | July, 1932 | | 1,639.98 | | |
| Beaumaris R.P.D..... | June, 1928 | | 1,658.96 | | 30.00 |
| Beaverton R.P.D..... | Aug., 1930 | | 3,701.19 | | 120.00 |
| Beeton R.P.D..... | Sept., 1926 | | 178.94 | | |
| Bradford R.P.D..... | Aug., 1929 | | 1,921.23 | | 175.86 |
| Bruce R.P.D..... | Oct., 1931 | | 944.11 | | 20.00 |
| Buckskin R.P.D..... | July, 1928 | | 822.76 | | 30.00 |
| Cannington R.P.D..... | May, 1924 | 1,742.48 | | | |
| Chatsworth R.P.D..... | Dec., 1928 | 325.63 | | | 90.00 |
| Cookstown R.P.D..... | Dec., 1930 | 42.08 | | | |
| Creemore R.P.D..... | Dec., 1930 | | 2,508.92 | | 140.00 |
| Elmvale R.P.D..... | Jan., 1924 | | 389.01 | | 40.00 |
| Flesherton R.P.D..... | Feb., 1922 | | 837.92 | | |
| Gravenhurst R.P.D..... | June, 1929 | 230.64 | | | |
| Hawkestone R.P.D..... | Aug., 1930 | | 2,665.71 | | |
| Holstein R.P.D..... | Mar., 1929 | | 79.96 | | |
| Huntsville R.P.D..... | Aug., 1931 | | 2,477.26 | | |
| Innisfil R.P.D..... | Feb., 1928 | | 3,071.06 | | 138.30 |
| Lucknow R.P.D..... | Feb., 1924 | | 74.66 | | |
| Mariposa R.P.D..... | Sept., 1923 | 5,077.42 | | | 40.00 |
| Markdale R.P.D..... | July, 1924 | | 1,363.18 | 1.36 | |
| Meaford R.P.D..... | Oct., 1928 | | 133.04 | | |
| Medonte R.P.D..... | July, 1930 | | 1,113.53 | | 50.00 |
| Midland R.P.D..... | Nov., 1930 | | 892.28 | | 80.00 |
| Neustadt R.P.D..... | Nov., 1926 | | 97.84 | | |
| Nottawasaga R.P.D..... | Jan., 1922 | 1,040.95 | | | |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1932; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933.

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|---------|---|----------|---|----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6.70 | | 464.21 | | 470.91 | |
| | 3.51 | 203.68 | | 200.17 | |
| 6.04 | | 605.86 | | 611.90 | |
| | 8.35 | 404.59 | | 187.43 | |
| 2.79 | | 268.50 | | 271.29 | |
| | 7.61 | 790.67 | | 783.06 | |
| 5.78 | | 526.80 | | 532.58 | |
| 1.10 | | 354.90 | | 356.00 | |
| 5.70 | | 1,518.33 | | 1,524.03 | |
| 3.73 | | 91.44 | | 95.17 | |
| 8.26 | | | 339.38 | | 331.12 |
| 10.13 | | 750.66 | | 760.79 | |
| 1.58 | | 299.95 | | 301.53 | |
| 0.52 | | 167.25 | | 167.77 | |
| 62.61 | | 313.13 | | 1,861.06 | |
| | 4.99 | 104.37 | | | 25.29 |
| | 126.41 | | 2,652.34 | | 6,059.01 |
| | 165.17 | | 1,643.36 | | 6,067.85 |
| | 65.60 | | 4,170.13 | | 5,875.71 |
| | 66.36 | 320.03 | | | 1,435.29 |
| | 148.05 | | 2,721.63 | | 6,690.87 |
| | 7.16 | | 225.72 | | 411.82 |
| | 77.78 | | 1,939.22 | | 4,114.09 |
| | 37.76 | 231.59 | | | 770.28 |
| | 32.91 | | 231.59 | | 1,117.26 |
| 69.70 | | 373.19 | | 2,185.37 | |
| 13.03 | | | 54.95 | 193.71 | |
| 1.68 | | 49.94 | | 93.70 | |
| | 100.36 | | 2,109.95 | | 4,859.23 |
| | 15.56 | | 232.48 | | 677.05 |
| | 33.52 | | 151.20 | | 1,022.64 |
| 9.23 | | | 175.44 | 64.43 | |
| | 106.63 | | 1,026.07 | | 3,798.41 |
| | 3.20 | | 71.00 | | 154.16 |
| | 99.09 | | 1,768.28 | | 4,344.63 |
| | 122.84 | | 442.81 | | 3,775.01 |
| | 2.99 | | 25.38 | | 103.03 |
| 203.10 | | 945.17 | | 6,185.69 | |
| | 54.49 | | 797.79 | | 2,214.10 |
| | 5.32 | | 61.78 | | 200.14 |
| | 44.54 | | 705.50 | | 1,913.57 |
| | 35.69 | | 438.41 | | 1,446.38 |
| | 3.91 | | 46.33 | | 148.08 |
| 41.64 | | 220.15 | | 1,302.74 | |

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Rural power district | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|----------------------|--------------------------|--|-----------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Orangeville R.P.D. | Aug., 1927 | | 3,467.39 | | |
| Owen Sound R.P.D. | Mar., 1931 | | 91.36 | | |
| Port Perry R.P.D. | Dec., 1922 | | 3,644.57 | | 250.00 |
| Ripley R.P.D. | Feb., 1922 | | 1,118.90 | | 20.00 |
| Sauble R.P.D. | Oct., 1931 | | 197.64 | | 40.00 |
| Shelburne R.P.D. | Feb., 1926 | | 1,867.13 | | 180.00 |
| Sparrow Lake R.P.D. | Oct., 1925 | 997.46 | | | 130.48 |
| Tara R.P.D. | Jan., 1925 | | 147.73 | | 20.00 |
| Thornton R.P.D. | Aug., 1930 | | 753.53 | | 140.00 |
| Utterson R.P.D. | June, 1930 | | 1,248.10 | | 110.00 |
| Uxbridge R.P.D. | Sept., 1925 | | 6,768.20 | | 210.00 |
| Wasaga Beach R.P.D. | July, 1923 | 10,643.48 | | | 361.43 |
| Wroxeter R.P.D. | Feb., 1929 | | 4,366.12 | | 30.00 |
| Totals | | 42,290.97 | 94,504.30 | 15,313.21 | 23,797.93 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

Reserve for Renewals—October 31, 1933

| | |
|--|----------------|
| Total provision for renewals to October 31, 1932 | \$1,431,214.29 |
| Deduct: | |
| Expenditures to October 31, 1932 | 133,155.81 |
| Balance brought forward October 31, 1932 | \$1,298,058.48 |
| Added during the year ending October 31, 1933: | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them | \$90,844.31 |
| Amount included in costs of distribution of power within rural power districts | 28,890.44 |
| Provision against equipment employed in respect of contracts with private companies which purchased power, and against equipment in local distribution systems | 8,376.91 |
| Provision for renewals on transmission lines transferred | 3,531.40 |
| Interest at 4 % per annum on monthly balances at the credit of the account | 51,922.34 |
| | 183,565.40 |
| | \$1,481,623.88 |
| Deduct: | |
| Expenditures during the year ending October 31, 1933 | 27,403.29 |
| Balance carried forward October 31, 1933 | \$1,454,220.59 |

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1932; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933.

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|-----------|---|------------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 138.70 | ..... | 1,075.96 | ..... | 4,682.05 |
| ..... | 3.65 | ..... | 566.49 | ..... | 661.50 |
| ..... | 145.78 | ..... | 1,289.67 | ..... | 5,330.02 |
| ..... | 44.76 | ..... | 579.66 | ..... | 1,763.32 |
| ..... | 7.91 | ..... | 541.95 | ..... | 787.50 |
| ..... | 74.69 | ..... | 1,734.39 | ..... | 3,856.21 |
| 39.87 | ..... | ..... | 1,078.40 | ..... | 171.55 |
| ..... | 5.91 | ..... | 626.25 | ..... | 799.89 |
| ..... | 30.14 | ..... | 429.90 | ..... | 1,353.57 |
| ..... | 49.92 | 15.33 | ..... | ..... | 1,392.69 |
| ..... | 270.73 | ..... | 3,047.00 | ..... | 10,295.93 |
| 424.35 | ..... | 521.74 | ..... | 11,228.14 | ..... |
| ..... | 174.64 | ..... | 374.14 | ..... | 4,944.90 |
| 1,154.21 | 3,425.43 | 64,404.45 | 38,372.41 | 74,760.04 | 111,697.27 |

GEORGIAN BAY SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1933

| | |
|---|--------------|
| Balance brought forward October 31, 1932..... | \$367,197.47 |
| Added during the year ending October 31, 1933: | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them..... | \$25,487.31 |
| Amounts included in the costs of distribution of power within rural power districts..... | 28,890.44 |
| Provision against equipment employed in respect of contracts with private companies which purchased power and against local distribution systems..... | 2,770.98 |
| Share of profits realized in respect of the sale of certain of the Commission's investment securities..... | 1,304.69 |
| Interest at 4 % per annum on monthly balances at the credit of the account..... | 14,687.90 |
| | 73,141.32 |
| | \$440,338.79 |
| Deduct: | |
| Contingencies met with during the year ending October 31, 1933.. | \$1,311.20 |
| Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements..... | 9,191.27 |
| | 10,502.47 |
| Balance carried forward October 31, 1933..... | \$429,836.32 |

GEORGIAN BAY SYSTEM

G.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1933

| Municipality | Period of years ending Oct. 31, 1933 | Amount | Municipality | Period of years ending Oct. 31, 1933 | Amount |
|-----------------------|--------------------------------------|------------|-------------------------|--------------------------------------|------------|
| | | \$ c. | | | \$ c. |
| Alliston..... | 10 years | 11,295.94 | Walkerton..... | 3 years | 3,921.66 |
| Arthur..... | 12 " | 10,746.86 | Waubashene..... | 14 " | 2,070.83 |
| Barrie..... | 15 " | 73,212.70 | Wiarton..... | 3 " | 3,047.88 |
| Beaverton..... | 14 " | 12,230.73 | Windsor..... | 4 " | 722.32 |
| Beeton..... | 10 " | 8,727.20 | Wingham..... | 9 " | 18,287.75 |
| Bradford..... | 10 " | 9,628.32 | Woodville..... | 14 " | 6,229.56 |
| Brechin..... | 14 " | 4,761.23 | | | |
| Cannington..... | 14 " | 9,119.57 | RURAL POWER DISTRICT* | | |
| Chatsworth..... | 13 " | 2,277.29 | Alliston R.P.D..... | 4 years | 1,976.31 |
| Chesley..... | 12 " | 18,843.00 | Arthur R.P.D..... | 4 " | 130.92 |
| Coldwater..... | 15 " | 7,205.13 | Bala R.P.D..... | 4 " | 2,020.77 |
| Collingwood..... | 15 " | 80,932.71 | Barrie R.P.D..... | 11 " | 6,471.39 |
| Cookstown..... | 10 " | 2,675.43 | Baysville R.P.D..... | 2 " | 738.83 |
| Creemore..... | 14 " | 6,686.98 | Beaumaris R.P.D..... | 6 " | 3,490.11 |
| Dundalk..... | 13 " | 6,385.69 | Beaverton R.P.D..... | 4 " | 2,624.49 |
| Durham..... | 13 " | 17,853.68 | Beeton R.P.D..... | 8 " | 80.71 |
| Elmvale..... | 15 " | 8,963.33 | Bradford R.P.D..... | 5 " | 952.33 |
| Elmwood..... | 10 " | 2,053.66 | Bruce R.P.D..... | 3 " | 1,467.36 |
| Flesherton..... | 13 " | 3,628.75 | Buckskin R.P.D..... | 6 " | 504.84 |
| Grand Valley..... | 12 " | 6,573.09 | Cannington R.P.D..... | 10 " | 2,739.29 |
| Gravenhurst..... | 13 " | 11,934.82 | Chatsworth R.P.D..... | 5 " | 261.42 |
| Hanover..... | 12 " | 45,822.14 | Cookstown R.P.D..... | 3 " | 21.98 |
| Holstein..... | 12 " | 2,093.02 | Creemore R.P.D..... | 3 " | 1,032.29 |
| Huntsville..... | 12 " | 30,684.78 | Elmvale R.P.D..... | 10 " | 1,852.01 |
| Kincardine..... | 9 " | 18,529.52 | Flesherton R.P.D..... | 12 " | 481.84 |
| Kirkfield..... | 9 " | 1,744.11 | Gravenhurst R.P.D..... | 5 " | 533.05 |
| Lucknow..... | 9 " | 9,186.02 | Hawkestone R.P.D..... | 4 " | 836.87 |
| Markdale..... | 12 " | 5,032.19 | Holstein R.P.D..... | 5 " | 23.86 |
| Meaford..... | 9 " | 12,735.65 | Huntsville R.P.D..... | 3 " | 729.67 |
| Midland..... | 15 " | 125,095.10 | Innisfil R.P.D..... | 6 " | 4,786.58 |
| Mildmay..... | 1 " | 226.15 | Lucknow R.P.D..... | 8 " | 29.42 |
| Mount Forest..... | 13 " | 16,380.02 | Mariposa R.P.D..... | 11 " | 6,744.21 |
| Neustadt..... | 10 " | 5,502.73 | Markdale R.P.D..... | 10 " | 718.05 |
| Orangeville..... | 12 " | 21,353.58 | Meaford R.P.D..... | 5 " | 41.77 |
| Owen Sound..... | 13 " | 101,536.38 | Medonte R.P.D..... | 4 " | 398.20 |
| Paisley..... | 9 " | 5,273.82 | Midland R.P.D..... | 3 " | 469.16 |
| Penetanguishene..... | 17 " | 36,078.52 | Neustadt R.P.D..... | 7 " | 28.79 |
| Port Elgin..... | 3 " | 1,938.03 | Nottawasaga R.P.D..... | 12 " | 2,379.25 |
| Port McNicoll..... | 14 " | 3,328.98 | Orangeville R.P.D..... | 7 " | 1,492.80 |
| Port Perry..... | 9 " | 7,789.28 | Owen Sound R.P.D..... | 3 " | 191.42 |
| Priceville..... | 9 " | 838.98 | Port Perry R.P.D..... | 11 " | 3,584.37 |
| Ripley..... | 9 " | 3,882.39 | Ripley R.P.D..... | 8 " | 308.03 |
| Rosseau..... | 3 " | 790.05 | Sauble R.P.D..... | 3 " | 218.00 |
| Shelburne..... | 12 " | 10,059.03 | Shelburne R.P.D..... | 8 " | 814.24 |
| Southampton..... | 3 " | 1,993.07 | Sparrow Lake R.P.D..... | 9 " | 3,903.94 |
| Stayner..... | 15 " | 8,696.77 | Tara R.P.D..... | 9 " | 1,948.59 |
| Sunderland..... | 14 " | 6,183.71 | Thornton R.P.D..... | 4 " | 413.74 |
| Tara..... | 10 " | 4,661.32 | Utterson R.P.D..... | 4 " | 1,291.77 |
| Teeswater..... | 9 " | 6,444.10 | Uxbridge R.P.D..... | 9 " | 3,720.84 |
| Thornton..... | 10 " | 1,777.80 | Wasaga Beach R.P.D..... | 11 " | 7,276.10 |
| Tottenham..... | 10 " | 5,592.84 | Wroxeter R.P.D..... | 5 " | 3,723.65 |
| Uxbridge..... | 9 " | 8,297.67 | | | |
| Victoria Harbour..... | 14 " | 3,642.44 | Total..... | | 936,659.56 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

SINKING FUND

Reserve for Sinking Fund—October 31, 1933

Total provision for sinking fund to October 31, 1932..... \$816,185.21

Provided in the year ending October 31, 1933:

| | | |
|---|-------------|---------------------|
| By charges included in the cost of power delivered to municipalities and rural power districts..... | \$73,332.45 | |
| By charges included in the costs of distribution of power within rural power districts..... | 7,986.56 | |
| By charges against contracts with private companies which purchased power and local distribution systems..... | 6,507.93 | |
| Interest at 4% per annum on the amount standing at the credit of the reserve accounts..... | 32,647.41 | 120,474.35 |
| Total..... | | <u>\$936,659.56</u> |

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines for the year ending October 31, 1933

| Operated by | Capital cost | Interest | Sinking fund | Renewals | Contingencies | Total interest, sinking fund, renewals and contingencies charged |
|-----------------|--------------|----------|--------------|----------|---------------|--|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Brechin..... | 922.02 | 48.22 | 16.60 | 18.44 | 9.22 | 92.48 |
| Flesherton..... | 1,885.41 | 105.77 | 33.94 | 37.71 | 18.85 | 196.27 |
| Totals..... | 2,807.43 | 153.99 | 50.54 | 56.15 | 28.07 | 288.75 |

Statement showing the total Sinking Fund paid in respect of each line, together with interest allowed thereon to October 31, 1933

| Lines operated by | Period of years ending October 31, 1933 | Amount |
|-------------------|---|--------|
| | | \$ c. |
| Brechin..... | 15 years | 303.80 |
| Flesherton..... | 16 " | 542.61 |
| Total..... | | 846.41 |

Reserve for Sinking Fund

| | |
|---|-----------------|
| Total provision for sinking fund to October 31, 1932..... | \$765.26 |
| Provided in year ending October 31, 1933— | |
| By charges against municipalities which operate the lines..... | \$50.54 |
| Interest at 4% per annum on amounts standing at the credit of the reserve accounts..... | 30.61 |
| | 81.15 |
| Total..... | <u>\$846.41</u> |

GEORGIAN BAY SYSTEM—RURAL LINES

Reserve for Renewals—October 31, 1933

| | |
|---|-----------------|
| Total provision for renewals to October 31, 1932 | \$443.27 |
| Added during the year ending October 31, 1933: | |
| By charges against the municipalities which operate the lines..... | \$56.15 |
| Interest at 4% per annum on the monthly balances at the credit of the account..... | 17.73 |
| | <u>73.88</u> |
| Balance carried forward October 31, 1933..... | <u>\$517.15</u> |

EASTERN ONTARIO

Operating Account for Year

COSTS OF OPERATION AS PROVIDED UNDER THE TERMS OF THE POWER COMMISSION ACT

| | |
|---|-----------------------|
| Power purchased | \$777,050.62 |
| Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system: | |
| Generation, transmission and distribution equipment..... | \$634,412.70 |
| Rural power districts..... | 121,212.84 |
| Water heater costs written off in year to extent of revenue available from water heater loads..... | 5,978.03 |
| | <u>761,603.57</u> |
| Interest (including exchange thereon) on capital investment in: | |
| Generation, transmission and distribution equipment..... | \$817,089.21 |
| Rural power districts..... | 77,164.46 |
| | <u>894,253.67</u> |
| Provision for renewals of: | |
| Generation, transmission and distribution equipment..... | \$164,867.11 |
| Rural power districts..... | 62,925.98 |
| | <u>227,793.09</u> |
| Provision for obsolescence and contingencies in respect of: | |
| Generation, transmission and distribution equipment..... | \$51,725.63 |
| Rural power districts..... | 31,462.99 |
| | <u>83,188.62</u> |
| Provision for sinking funds: | |
| By charges included in the cost of power delivered to munici- palities and rural power districts..... | \$110,238.06 |
| By charges against contracts with private companies which purchased power and local distribution systems..... | 45,928.35 |
| By charges included in the cost of distribution of power within rural power districts..... | 16,863.37 |
| | <u>173,029.78</u> |
| | <u>\$2,916,919.35</u> |

GEORGIAN BAY SYSTEM—RURAL LINES

Reserve for Obsolescence and Contingencies—October 31, 1933

| | | |
|--|---------|-----------------|
| Balance brought forward October 31, 1932..... | | \$186.82 |
| Added during the year ending October 31, 1933: | | |
| By charges against the municipalities which operate the lines..... | \$28.07 | |
| Interest at 4 % per annum on the monthly balances at the credit of the account..... | 7.47 | 35.54 |
| | | <u>35.54</u> |
| Balance carried forward October 31, 1933..... | | <u>\$222.36</u> |

SYSTEM

Ending October 31, 1933

REVENUE FOR PERIOD

| | | |
|---|----------------|-----------------------|
| Collected from municipalities under "Cost" contracts at interim monthly rates..... | \$1,859,103.83 | |
| Collected from customers in rural power districts..... | 470,228.73 | |
| Power sold to private companies..... | 512,671.12 | |
| Collected from customers in local electric distribution systems..... | 23,922.25 | |
| Power supplied to pulp mill at Campbellford..... | 38,785.36 | |
| Collected from customers of the gas works..... | 15,738.90 | |
| | | <u>\$2,920,450.19</u> |
| Add: | | |
| Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year..... | \$6,720.97 | |
| Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied them in the year..... | 38,276.43 | 44,997.40 |
| | | <u>\$2,965,447.59</u> |
| Deduct: | | |
| Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year..... | \$41,852.39 | |
| Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto..... | 5,394.21 | 47,246.60 |
| | | <u>\$2,918,200.99</u> |
| Revenue..... | | |
| Deduct: | | |
| Amount transferred to the credit of obsolescence and contingency reserve, which amount comprises: | | |
| Profit from power sold to customers on local electric dis- tribution systems owned by the Commission..... | \$3,453.91 | |
| Shortage on operation of local gas works..... | 2,172.27 | 1,281.64 |
| | | <u>\$2,916,919.35</u> |

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

| Municipality | Interim rate per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|-------------------------|---|-----------------|---|--|-------------------------|--|-------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Alexandria | 64.00 | 66.00 | 93,249.45 | 194.0 | 1,551.47 | 3,041.51 | 4,396.16 |
| Apple Hill | 60.00 | 54.00 | 11,365.56 | 29.6 | 236.72 | 469.12 | 527.49 |
| Athens | 55.00 | 63.00 | 32,937.95 | 83.7 | 669.37 | 1,108.53 | 1,577.87 |
| Bath | 105.00 | 95.00 | 18,097.18 | 26.9 | 215.13 | 335.52 | 872.62 |
| Belleville | 35.00 | 38.00 | 765,820.34 | 3,459.5 | 27,666.63 | 28,857.24 | 36,820.73 |
| Water heater load | | | | 20.0 | | *728.94 | |
| Bloomfield | 60.00 | 61.00 | 28,414.26 | 69.4 | 555.01 | 1,106.30 | 1,360.51 |
| Bowmanville | 37.50 | 41.50 | 385,299.03 | 1,513.7 | 12,105.50 | 15,594.05 | 18,658.32 |
| Water heater load | | | | 7.2 | | *296.57 | |
| Brighton | 42.50 | 46.00 | 62,762.52 | 242.7 | 1,940.94 | 2,595.64 | 3,013.26 |
| Water heater load | | | | 0.7 | | *29.29 | |
| Brockville | 31.50 | 34.00 | 425,107.69 | 2,232.0 | 17,849.95 | 15,375.35 | 20,086.28 |
| Cardinal | 37.50 | 40.00 | 28,893.29 | 131.6 | 1,052.44 | 1,639.30 | 1,395.94 |
| Water heater load | | | | 1.5 | | *62.48 | |
| Carleton Place | 35.00 | 37.00 | 231,514.34 | 1,000.7 | 8,002.89 | 7,185.84 | 10,986.25 |
| Water heater load | | | | 8.3 | | *307.64 | |
| Chesterville | 44.50 | 44.00 | 50,683.16 | 189.1 | 1,512.28 | 1,995.89 | 2,346.13 |
| Cobourg | 37.50 | 41.00 | 323,055.45 | 1,325.3 | 10,598.81 | 14,511.15 | 15,594.73 |
| Water heater load | | | | 4.7 | | *192.26 | |
| Colborne | 39.79 | 39.79 | 24,666.09 | 92.2 | 737.35 | 820.20 | 1,195.66 |
| Deseronto | 54.00 | 54.50 | 46,614.35 | 120.2 | 961.27 | 2,102.92 | 2,245.82 |
| Water heater load | | | | 0.5 | | *29.69 | |
| Finch | 67.00 | 65.00 | 17,875.38 | 40.4 | 323.09 | 748.69 | 854.03 |
| Water heater load | | | | 0.1 | | *6.55 | |
| Hastings | 55.00 | 55.00 | 24,415.41 | 66.9 | 535.02 | 726.83 | 1,178.48 |
| Havelock | 47.00 | 55.00 | 52,952.26 | 143.4 | 1,146.81 | 1,757.57 | 2,526.85 |
| Kemptville | 42.50 | 42.50 | 71,820.88 | 253.9 | 2,030.51 | 1,955.67 | 3,420.02 |
| Lakefield | 46.00 | 53.50 | 67,457.30 | 206.2 | 1,649.04 | 2,278.47 | 3,231.60 |
| Lanark | 50.00 | 50.00 | 22,474.12 | 67.1 | 536.62 | 793.12 | 1,070.03 |
| Lancaster | 97.00 | 97.00 | 28,963.67 | 37.6 | 300.70 | 607.69 | 1,372.21 |
| Lindsay | 42.00 | 44.00 | 424,938.79 | 1,590.0 | 12,715.69 | 16,964.50 | 20,400.90 |
| Water heater load | | | | 4.6 | | *195.33 | |
| Madoc | 49.00 | 50.00 | 42,060.23 | 139.3 | 1,114.02 | 2,045.55 | 2,022.58 |
| Marmora | 49.00 | 53.00 | 26,033.84 | 83.0 | 663.78 | 1,221.81 | 1,248.65 |
| Water heater load | | | | 0.1 | | *5.04 | |
| Martintown | 55.00 | 57.00 | 6,345.15 | 21.3 | 170.34 | 343.77 | 300.65 |
| Maxville | 75.00 | 62.00 | 34,294.09 | 76.7 | 613.39 | 1,344.75 | 1,610.49 |
| Napanee | 37.00 | 40.00 | 223,511.72 | 941.0 | 7,525.45 | 8,945.65 | 10,816.85 |
| Water heater load | | | | 5.1 | | *199.17 | |
| Norwood | 41.00 | 41.00 | 24,355.74 | 93.3 | 746.15 | 1,077.98 | 1,164.65 |
| Water heater load | | | | 0.4 | | *17.16 | |
| Oshawa | 38.00 | 41.00 | 2,073,605.71 | 7,946.8 | 63,552.87 | 72,423.46 | 99,827.38 |
| Water heater load | | | | 17.4 | | *704.08 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,570.30 | 292.21 | 960.27 | 877.00 | 12,688.92 | 12,999.67 | 310.75 | |
| 178.81 | 41.74 | 113.81 | 133.81 | 1,701.50 | 1,656.25 | | 45.25 |
| 532.99 | 108.34 | 337.19 | 378.38 | 4,712.67 | 5,245.41 | 532.74 | |
| 294.03 | 52.54 | 187.57 | 121.61 | 2,079.02 | 2,649.47 | 570.45 | |
| 6,951.42 | 2,475.94 | 7,678.34 | 15,639.13 | 126,089.43 | 132,971.76 | 6,153.39 | |
| | | | | 728.94 | | | |
| 397.77 | 85.91 | 291.76 | 313.73 | 4,110.99 | 4,300.89 | 189.90 | |
| 4,041.35 | 1,214.84 | 3,893.03 | 6,842.88 | 62,349.97 | 63,254.51 | 607.97 | |
| | | | | 296.57 | | | |
| 663.03 | 211.70 | 632.06 | 1,097.16 | 10,153.79 | 11,234.65 | 1,051.57 | |
| | | | | 29.29 | | | |
| 5,281.94 | 1,614.86 | 4,230.60 | 10,090.05 | 74,529.03 | 76,366.95 | 1,837.92 | |
| 387.33 | 121.74 | 289.79 | 594.92 | 5,481.46 | 5,364.51 | | 179.43 |
| | | | | 62.48 | | | |
| 3,199.48 | 864.50 | 2,328.16 | 4,523.80 | 37,090.92 | 37,782.98 | 384.42 | |
| | | | | 307.64 | | | |
| 736.90 | 184.69 | 513.03 | 854.85 | 8,143.77 | 8,495.78 | 352.01 | |
| 3,231.43 | 1,042.19 | 3,244.24 | 5,991.19 | 54,213.74 | 54,744.80 | 338.80 | |
| | | | | 192.26 | | | |
| 272.10 | 84.69 | 249.53 | 416.80 | 3,776.33 | 3,748.24 | | 28.09 |
| 636.51 | 169.45 | 477.49 | 543.38 | 7,136.84 | 6,691.54 | | 474.99 |
| | | | | 29.69 | | | |
| 296.97 | 58.20 | 183.81 | 182.63 | 2,647.42 | 2,700.05 | 46.08 | |
| | | | | 6.55 | | | |
| 324.43 | 77.98 | 249.72 | 302.43 | 3,394.89 | 3,747.29 | 352.40 | |
| 705.24 | 168.40 | 541.37 | 648.26 | 7,494.50 | 7,732.17 | 237.67 | |
| 1,071.35 | 255.03 | 728.44 | 1,147.79 | 10,608.81 | 11,004.30 | 395.49 | |
| 842.27 | 207.05 | 685.79 | 932.15 | 9,826.37 | 10,962.98 | 1,136.61 | |
| 352.35 | 80.55 | 229.50 | 303.34 | 3,365.51 | 3,424.93 | 59.42 | |
| 521.04 | 86.60 | 300.85 | 169.78 | 3,358.87 | 3,725.56 | 366.69 | |
| 4,640.28 | 1,309.31 | 4,299.08 | 7,187.81 | 67,517.57 | 70,937.75 | 3,224.85 | |
| | | | | 195.33 | | | |
| 500.89 | 136.14 | 427.10 | 629.72 | 6,876.00 | 7,068.35 | 192.35 | |
| 318.27 | 92.96 | 264.96 | 375.21 | 4,185.64 | 4,422.18 | 231.50 | |
| | | | | 5.04 | | | |
| 95.55 | 23.78 | 64.47 | 96.29 | 1,094.85 | 1,223.94 | 129.09 | |
| 564.28 | 112.03 | 349.07 | 346.73 | 4,940.74 | 5,023.64 | 82.90 | |
| 2,214.78 | 731.72 | 2,260.73 | 4,253.91 | 36,749.09 | 38,139.32 | 1,191.06 | |
| | | | | 199.17 | | | |
| 260.48 | 84.98 | 246.17 | 421.77 | 4,002.18 | 3,916.36 | | 102.98 |
| | | | | 17.16 | | | |
| 22,345.56 | 6,450.31 | 21,037.38 | 35,924.56 | 321,561.52 | 329,364.17 | 7,098.57 | |
| | | | | 704.08 | | | |

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

| Municipality | Interim rate per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse- power supplied in year after correction for power factor | Cost of power pur- chased | Share of operating | |
|--|--|-----------------------|---|---|------------------------------------|--|-------------------------------------|
| | To Jan. 1 1933 | To Oct. 31 1933 | | | | Operating, main- tenance and admini- strative expenses | Interest (including exchange) |
| | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Ottawa..... | 24.00 | 26.90 | 700,975.10 | 5,430.4 | 48,011.85 | 29,891.82 | 33,941.03 |
| Ottawa..... | | | 964.71 | 18,883.0 | 207,712.99 | 145.69 | 46.49 |
| Perth..... | 35.00 | 35.00 | 227,089.50 | 1,107.3 | 8,855.40 | 7,227.15 | 10,822.48 |
| Water heater load..... | | | | 3.8 | | *130.48 | |
| Peterborough..... | 32.00 | 32.00 | 1,201,849.18 | 5,781.8 | 46,238.73 | 37,170.97 | 57,681.53 |
| Water heater load..... | | | | 48.1 | | *1,604.76 | |
| Picton..... | 50.00 | 50.00 | 266,394.59 | 772.8 | 6,180.31 | 7,551.22 | 12,785.14 |
| Water heater load..... | | | | 6.9 | | *330.03 | |
| Port Hope..... | 41.50 | 43.20 | 259,812.38 | 1,067.7 | 8,538.71 | 12,322.92 | 12,500.31 |
| Water heater load..... | | | | 3.1 | | *128.48 | |
| Prescott..... | 31.00 | 34.00 | 132,447.79 | 746.3 | 5,968.38 | 5,668.54 | 6,269.30 |
| Water heater load..... | | | | 1.1 | | *36.37 | |
| Richmond..... | 55.00 | 55.00 | 19,282.81 | 48.8 | 390.27 | 729.08 | 928.64 |
| Russell..... | 65.00 | 66.00 | 19,603.61 | 44.3 | 354.28 | 752.42 | 930.39 |
| Smiths Falls..... | 30.00 | 32.00 | 251,667.22 | 1,421.3 | 11,366.55 | 9,066.70 | 11,911.17 |
| Water heater load..... | | | | 11.2 | | *356.85 | |
| Stirling..... | 32.00 | 34.50 | 44,456.19 | 226.1 | 1,808.19 | 1,706.36 | 2,143.56 |
| Water heater load..... | | | | 0.5 | | *16.81 | |
| Trenton..... | 28.50 | 32.20 | 502,048.94 | 2,699.5 | 21,588.68 | 15,473.23 | 24,349.05 |
| Water heater load..... | | | | 4.3 | | *133.24 | |
| Tweed..... | 58.00 | 58.00 | 59,966.70 | 147.4 | 1,178.80 | 2,922.67 | 2,889.25 |
| Warkworth..... | 50.00 | 57.00 | 20,198.40 | 61.5 | 491.83 | 941.84 | 966.96 |
| Wellington..... | 46.00 | 49.00 | 52,293.59 | 165.2 | 1,321.15 | 1,794.05 | 2,512.74 |
| Westport..... | 92.84 | 85.00 | 38,563.79 | 61.9 | 495.03 | 1,005.75 | 1,859.91 |
| Whitby..... | 37.00 | 40.00 | 243,824.07 | 942.4 | 7,536.65 | 8,320.28 | 11,720.54 |
| Water heater load..... | | | | 5.3 | | *211.55 | |
| Williamsburg..... | 43.00 | 41.00 | 30,088.99 | 155.5 | 1,243.58 | 1,477.64 | 1,423.98 |
| Water heater load..... | | | | 0.4 | | *14.48 | |
| Winchester..... | 41.00 | 42.00 | 51,431.71 | 217.7 | 1,741.01 | 2,145.57 | 2,427.33 |
| Water heater load..... | | | | 0.6 | | *24.05 | |
| RURAL POWER DISTRICT | | | | | | | |
| Alexandria R.P.D.—Hawkesbury E. and Lochiel twps..... | | | 14,920.99 | 30.0 | 239.92 | 436.60 | 716.07 |
| Arnprior R.P.D.—Fitzroy twp..... | | | | | 1,692.24 | | |
| Belleville R.P.D.—Huntingdon, Sidney, Thurlow and Tyendinaga twps..... | | | 66,210.36 | 293.9 | 2,350.40 | 2,375.19 | 3,174.12 |
| Water heater load..... | | | | 0.3 | | *10.97 | |
| Bowmanville R.P.D.—Darlington twp..... | | | 26,816.91 | 102.9 | 822.92 | 1,106.08 | 1,291.61 |
| Water heater load..... | | | | 0.2 | | *8.42 | |
| Brighton R. P. D.—Brighton, Cramahe and Murray twps..... | | | 5,896.11 | 22.8 | 182.34 | 222.21 | 282.68 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|----------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6,203.16 | 2,969.88 | 6,784.69 | 24,548.87 | 152,351.30 | 150,880.41 | ..... | 1,470.89 |
| 18.73 | 4.75 | 10.16 | ..... | 207,938.81 | 207,938.81 | ..... | ..... |
| 2,968.15 | 873.66 | 2,269.89 | 5,005.70 | 38,022.43 | 39,688.78 | 1,535.87 | ..... |
| ..... | ..... | ..... | ..... | 130.48 | ..... | ..... | ..... |
| 10,085.92 | 3,565.53 | 12,017.19 | 26,137.39 | 192,897.26 | 190,754.26 | ..... | 3,747.76 |
| ..... | ..... | ..... | ..... | 1,604.76 | ..... | ..... | ..... |
| 3,440.16 | 792.78 | 2,720.77 | 3,493.54 | 36,963.92 | 39,785.88 | 2,491.93 | ..... |
| ..... | ..... | ..... | ..... | 330.03 | ..... | ..... | ..... |
| 2,609.46 | 836.69 | 2,616.96 | 4,826.68 | 44,251.73 | 46,816.98 | 2,436.77 | ..... |
| ..... | ..... | ..... | ..... | 128.48 | ..... | ..... | ..... |
| 1,569.48 | 518.26 | 1,310.02 | 3,373.75 | 24,677.73 | 25,501.08 | 786.98 | ..... |
| ..... | ..... | ..... | ..... | 36.37 | ..... | ..... | ..... |
| 312.57 | 61.79 | 197.68 | 220.61 | 2,840.64 | 2,736.72 | ..... | 103.92 |
| 325.40 | 63.80 | 201.58 | 200.26 | 2,828.13 | 2,967.67 | 139.54 | ..... |
| 3,019.74 | 1,000.98 | 2,494.28 | 6,425.17 | 45,284.59 | 46,235.50 | 594.06 | ..... |
| ..... | ..... | ..... | ..... | 356.85 | ..... | ..... | ..... |
| 344.05 | 134.20 | 443.14 | 1,022.11 | 7,601.61 | 7,874.16 | 255.74 | ..... |
| ..... | ..... | ..... | ..... | 16.81 | ..... | ..... | ..... |
| 3,543.21 | 1,503.46 | 4,988.56 | 12,203.45 | 83,649.64 | 87,158.85 | 3,375.97 | ..... |
| ..... | ..... | ..... | ..... | 133.24 | ..... | ..... | ..... |
| 836.12 | 178.41 | 615.17 | 666.34 | 9,286.76 | 8,719.10 | ..... | 567.66 |
| 252.83 | 65.05 | 205.29 | 278.02 | 3,201.82 | 3,489.94 | 288.12 | ..... |
| 643.54 | 163.39 | 532.92 | 746.81 | 7,714.60 | 8,157.14 | 442.54 | ..... |
| | | | | | | | |
| 676.87 | 127.28 | 399.29 | 279.83 | 4,843.96 | 5,449.65 | 605.69 | ..... |
| 2,596.91 | 715.57 | 2,466.35 | 4,260.24 | 37,616.54 | 38,191.19 | 363.10 | ..... |
| ..... | ..... | ..... | ..... | 211.55 | ..... | ..... | ..... |
| 368.89 | 119.36 | 294.38 | 702.96 | 5,630.79 | 6,550.80 | 905.53 | ..... |
| ..... | ..... | ..... | ..... | 14.48 | ..... | ..... | ..... |
| 712.17 | 198.51 | 517.78 | 984.14 | 8,726.51 | 9,306.51 | 555.95 | ..... |
| ..... | ..... | ..... | ..... | 24.05 | ..... | ..... | ..... |
| | | | | | | | |
| 252.78 | 47.70 | 153.77 | 135.62 | 1,982.46 | 1,982.46 | see page | 247 |
| ..... | ..... | ..... | ..... | 1,692.24 | 1,692.24 | " | " |
| | | | | | | | |
| 614.23 | 216.15 | 664.71 | 1,328.61 | 10,723.41 | 10,734.38 | " | " |
| ..... | ..... | ..... | ..... | 10.97 | ..... | ..... | ..... |
| 287.21 | 85.73 | 271.22 | 465.17 | 4,329.94 | 4,338.36 | " | " |
| ..... | ..... | ..... | ..... | 8.42 | ..... | ..... | ..... |
| 62.27 | 19.89 | 59.38 | 103.07 | 931.84 | 931.84 | ..... | ..... |

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|---|-------------------------------|
| | | | | Operating, main-tenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Brockville R.P.D.—Augusta, Elizabethtown, Escott Front, Leeds and Lansdowne Front, Leeds and Lansdowne Rear, Yonge Front and Yonge and Escott Rear twps..... | 60,280.04 | 266.4 | 2,130.48 | 2,297.97 | 2,865.63 |
| Water heater load | | 0.1 | | *3.84 | |
| Campbellford R.P.D.—Rawdon and Seymour twps..... | 12,150.02 | 58.4 | 467.04 | 347.21 | 579.24 |
| Carleton Place R.P.D.—Ramsay twp..... | | | 26.54 | | |
| Chesterville R.P.D.—Cambridge, Finch, Osnabruck, Russell, Williamsburg and Winchester twps.... | 57,288.75 | 179.1 | 1,432.32 | 1,630.24 | 2,736.98 |
| Cobourg R.P.D.—Alnwick, Haldimand, Hamilton and Hope twps.... | 58,271.79 | 229.5 | 1,835.37 | 2,369.80 | 2,782.22 |
| Water heater load | | 0.5 | | *20.49 | |
| Colborne R.P.D.—Cramahe and Haldimand twps..... | 30,551.99 | 109.3 | 874.10 | 975.43 | 1,468.72 |
| Fenelon Falls R.P.D.—Bexley, Fenelon, Laxton, Digby, Longford and Somerville twps..... | 12,745.30 | 39.1 | 312.69 | 493.73 | 614.14 |
| Water heater load | | 0.2 | | *9.87 | |
| Iroquois R.P.D.—Gower S., Matilda Mountain, Oxford, Williamsburg and Winchester twps..... | 54,160.94 | 360.4 | 2,882.22 | 2,048.18 | 2,607.30 |
| Water heater load | | 0.1 | | *2.91 | |
| Kemptville R.P.D.—Oxford twp.... | 5,595.83 | 18.6 | 148.75 | 263.77 | 269.59 |
| Kingston R.P.D.—Bedford, Ernestown, Hinchinbrooke, Kingston, Leeds and Lansdowne Front, Loughbrough, Oso, Pittsburgh and Portland twps..... | 73,596.57 | 270.5 | 3,172.52 | 2,501.47 | 3,523.61 |
| Water heater load | | 0.2 | | *9.19 | |
| Lakefield R.P.D.—Burleigh and Anstruther, Douro, Harvey and Smith twps..... | 8,922.41 | 30.2 | 241.52 | 269.84 | 429.94 |
| Lindsay R.P.D.—Fenelon, Ops and Verulam twps..... | 5,327.15 | 17.5 | 139.96 | 198.85 | 256.94 |
| Martintown R.P.D.—Charlottenburg and Lancaster twps..... | 14,718.34 | 46.2 | 369.47 | 445.22 | 691.58 |
| Water heater load | | 0.1 | | *4.65 | |
| Maxville R.P.D.—Caledonia, Kenyon, Plantagenet N., Plantagenet S. and Roxborough twps..... | 60,233.29 | 140.9 | 1,126.82 | 1,844.23 | 2,851.53 |
| Millbrook R.P.D.—Cavan, Manvers and Monaghan S. Twps..... | 12,329.22 | 36.9 | 295.10 | 479.47 | 586.42 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 818.85 | 225.68 | 605.13 | 1,204.30 | 10,148.04 } 3.84 } | 10,151.88 | see page | 247 |
| 102.12 | 39.04 | 121.49 | 264.01 | 1,920.15 | 1,920.15 | " | " |
| | | | | 26.54 | 26.54 | " | " |
| 882.20 | 202.80 | 583.68 | 809.65 | 8,277.87 | 8,277.87 | " | " |
| 609.04 | 192.79 | 588.10 | 1,037.49 | 9,414.81 } 20.49 } | 9,435.30 | " | " |
| 346.31 | 106.78 | 309.62 | 494.11 | 4,575.07 | 4,575.07 | " | " |
| 160.09 | 43.19 | 129.89 | 176.76 | 1,930.49 } 9.87 } | 1,940.36 | " | " |
| 566.84 | 211.85 | 530.72 | 1,629.24 | 10,476.35 } 2.91 } | 10,479.26 | " | " |
| 85.15 | 20.36 | 56.89 | 84.08 | 928.59 | 928.59 | " | " |
| 812.37 | 236.10 | 743.59 | 1,222.83 | 12,212.49 } 9.19 } | 12,221.68 | " | " |
| 105.36 | 27.24 | 90.62 | 136.52 | 1,301.04 | 1,301.04 | " | " |
| 64.12 | 17.66 | 54.17 | 79.11 | 810.81 | 810.81 | " | " |
| 228.31 | 54.36 | 150.90 | 208.85 | 2,148.69 } 4.65 } | 2,153.34 | " | " |
| 982.94 | 204.51 | 611.24 | 636.95 | 8,258.22 | 8,258.22 | " | " |
| 154.00 | 42.28 | 124.38 | 166.81 | 1,848.46 | 1,848.46 | " | " |

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|---|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Napanee R.P.D.—Camden E., Ernestown, Fredericksburg S., Fredericksburg N., Hungerford, Portland, Richmond, Sheffield and Tyendinaga twps. | 56,741.54 | 197.8 | 1,581.87 | 1,700.28 | 2,728.10 |
| Nepean R.P.D.—Clarence, Cumberland, Gloucester, Goulburn, Gower N., March, Nepean and Osgoode twps. | 84,487.05 | 563.4 | 4,505.67 | 3,311.37 | 4,047.12 |
| Newcastle R.P.D.—Clarke, Darlington and Manvers twps. | 18,378.25 | 60.6 | 484.64 | 815.14 | 880.57 |
| Water heater load | | 0.3 | | *9.65 | |
| Norwood R.P.D.—Asphodel, Belmont and Methuen, Dummer and Seymour twps. | 15,688.36 | 45.1 | 360.67 | 486.45 | 755.75 |
| Omeme R.P.D.—Emily and Ops twps. | 806.47 | 2.4 | 19.19 | 23.31 | 38.60 |
| Oshawa R.P.D.—Darlington, Pickering, Uxbridge, Whitby and Whitby E. twps. | 156,471.60 | 593.1 | 4,743.19 | 6,468.67 | 7,512.78 |
| Water heater load | | 1.1 | | *46.47 | |
| Perth R.P.D.—Bathurst, Burgess N., Elmsley N., and Elmsley S. twps. ... | 6,395.65 | 29.8 | 268.56 | 350.97 | 308.97 |
| Peterborough R.P.D.—Cavan, Douro, Monaghan N., Monaghan S., Otonabee and Smith twps. | 94,027.87 | 427.9 | 3,422.04 | 3,408.95 | 4,493.58 |
| Water heater load | | 0.8 | | *28.67 | |
| Prescott R.P.D.—Augusta, Edwardsburg and Matilda twps. | 19,194.09 | 99.4 | 988.34 | 983.65 | 894.28 |
| Water heater load | | 0.1 | | *3.85 | |
| Renfrew R.P.D.—Admaston and Horton twps. | | | 612.16 | | |
| Smiths Falls R.P.D.—Bastard and Burgess S., Crosby S., Kitley, Montague and Welford twps. | 38,131.44 | 145.2 | 1,161.20 | 1,008.56 | 1,825.04 |
| Water heater load | | 0.1 | | *4.17 | |
| Stirling R.P.D.—Rawdon and Sidney twps. | 9,130.31 | 42.7 | 341.48 | 414.85 | 436.62 |
| Trenton R.P.D.—Brighton, Murray and Sidney twps. | 34,461.26 | 170.7 | 1,365.14 | 1,536.13 | 1,663.51 |
| Warkworth R.P.D.—Percy twp. ... | 738.44 | 3.0 | 23.99 | 39.17 | 35.22 |
| Wellington R.P.D.—Ameliasburg, Athol, Hallowell, Hillier and Murray twps. | 52,802.53 | 163.0 | 1,303.57 | 1,767.56 | 2,535.51 |
| Water heater load | | 0.4 | | *18.33 | |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|----------------|--|--|---|--|---------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 655.34 | 187.54 | 576.26 | 894.18 | 8,323.57 | 8,323.57 | see page | 249 |
| 877.26 | 363.62 | 827.76 | 2,546.92 | 16,479.72 | 16,479.72 | " | " |
| 219.93 | 62.48 | 186.69 | 273.95 | 2,923.40 9.65 | 2,933.05 | " | " |
| 204.60 | 51.87 | 160.12 | 203.88 | 2,223.34 | 2,223.34 | " | " |
| 10.22 | 2.83 | 8.22 | 10.85 | 113.22 | 113.22 | " | " |
| 1,699.15 | 480.49 | 1,587.01 | 2,681.18 | 25,172.47 46.47 | 25,218.94 | " | " |
| 85.64 | 24.96 | 64.08 | 134.71 | 1,237.89 | 1,237.89 | " | " |
| 846.81 | 289.24 | 942.88 | 1,934.58 | 15,338.08 28.67 | 15,366.75 | " | " |
| 239.69 | 76.79 | 190.84 | 449.35 | 3,822.94 3.85 | 3,826.79 | " | " |
| | | | | 612.16 | 612.16 | " | " |
| 552.73 | 158.30 | 385.62 | 656.39 | 5,747.84 4.17 | 5,752.01 | " | " |
| 79.51 | 29.02 | 91.42 | 193.03 | 1,585.93 | 1,585.93 | " | " |
| 278.05 7.46 | 108.84 2.57 | 344.03 7.42 | 771.67 13.56 | 6,067.37 129.39 | 6,067.37 129.39 | " | " |
| 660.33 | 171.05 | 538.88 | 736.86 | 7,713.76 18.33 | 7,732.09 | " | " |

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

| Rural power district | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Cost of power purchased | Share of operating | |
|--|---|--|-------------------------|--|-------------------------------|
| | | | | Operating, maintenance and administrative expenses | Interest (including exchange) |
| | \$ c. | | \$ c. | \$ c. | \$ c. |
| Williamsburg R.P.D.—Matilda and Williamsburg twps..... | 9,520.11 | 51.9 | 473.22 | 441.01 | 463.26 |
| Water heater load | | 0.4 | | *14.45 | |
| Totals—Municipalities | 9,792,544.22 | 62,398.4 | 560,301.63 | 356,287.97 | 470,232.94 |
| Water heater loads | | 155.9 | | *5,761.30 | |
| Totals—Rural Power Districts | 1,176,990.98 | 4,848.6 | 42,397.65 | 43,061.56 | 56,347.23 |
| Water heater loads | | 4.9 | | *195.93 | |
| Totals—Companies | 5,385,552.10 | 20,117.1 | 160,882.29 | 201,482.46 | 269,208.31 |
| Totals—Local Electric distribution systems | 136,805.37 | 258.7 | 2,068.91 | 8,677.68 | 6,601.23 |
| Water heater loads | | 0.5 | | *20.80 | |
| Totals—Local Gas distribution system | 26,534.67 | | | 16,632.61 | 1,278.56 |
| Totals—Pulp Mill | 276,232.42 | 1,425.5 | 11,400.14 | 8,270.42 | 13,420.94 |
| | 16,794,659.76 | | | | |
| Non-operating capital | 2,526.11 | | | | |
| Campbellford Pulp Mill | 52,559.93 | | | | |
| Grand totals | 16,849,745.80 | 89,209.6 | 777,050.62 | 640,390.73 | 817,089.21 |

*Heater costs written off in year to extent of revenue available from heater loads.

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment | |
|-------------------------|--------------------------------|--------------|--|--|---|--|-----------|
| Renewals | Obsolescence and contingencies | Sinking fund | | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 121.87 | 39.09 | 95.92 | 222.42 | 1,856.79 14.45} | 1,871.24 | see page | 249 |
| 103,956.49 | 32,333.73 | 98,381.41 | 196,716.94 | 1,818,211.11 5,761.30} | 1,859,103.83 | 41,852.39 | 6,720.97 |
| 13,672.78 | 4,042.80 | 11,856.65 | 21,906.71 | 193,285.38 195.93} | 193,481.31 | | |
| 43,170.61 | 14,228.82 | 42,322.28 | (218,623.65) | 512,671.12 | 512,671.12 | | |
| 1,975.79 | 268.95 | 854.98 | | 20,447.54 20.80} | 23,922.25 | 3,453.91 | † |
| 2,091.44 | 851.33 | 2,751.09 | | 17,911.17 38,785.36 | 15,738.90 38,785.36 | | 2,172.27† |
| 164,867.11 | 51,725.63 | 156,166.41 | | 2,607,289.71 | 2,643,702.77 | | |

†Surplus of \$1,281.64 transferred to credit of obsolescence and contingencies reserve.

EASTERN ONTARIO SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Alexandria R.P.D.—Hawkesbury E. and Lochiel twps. | 27,482.78 | 13,741.39 | 13,741.39 | 1,982.46 |
| Arnprior R.P.D.—Fitzroy twp. | 12,715.46 | 6,114.10 | 6,601.36 | 1,692.24 |
| Belleville R.P.D.—Huntingdon, Sidney, Thurlow and Tyendinaga twps. | 148,173.49 | 73,407.78 | 74,765.71 | 10,734.38 |
| Bowmanville R.P.D.—Darlington twp. | 41,124.53 | 20,562.27 | 20,562.26 | 4,338.36 |
| Brighton R.P.D.—Brighton, Cramahe and Murray twps. | 14,613.69 | 7,306.85 | 7,306.84 | 931.84 |
| Brockville R.P.D.—Augusta, Elizabethtown, Escott Front, Leeds & Lansdowne Front, Leeds & Lansdowne Rear, Yonge Front and Yonge & Escott Rear twps. | *221,292.88 | 108,076.28 | 113,216.60 | 10,151.88 |
| Campbellford R.P.D.—Rawdon and Seymour twps. | 34,908.83 | 17,454.41 | 17,454.42 | 1,920.15 |
| Carleton Place R.P.D.—Ramsay twp. | 896.67 | 448.34 | 448.33 | 26.54 |
| Chesterville R.P.D.—Cambridge, Finch, Osnabrock, Russell, Williamsburg and Winchester twps. | *95,010.97 | 45,984.45 | 49,026.52 | 8,277.87 |
| Cobourg R.P.D.—Alnwick, Haldimand, Hamilton and Hope twps. | 182,240.98 | 90,384.28 | 91,856.70 | 9,435.30 |
| Colborne R.P.D.—Cramahe and Haldimand twps. | 50,124.15 | 25,062.08 | 25,062.07 | 4,575.07 |
| Fenelon Falls R.P.D.—Bexley, Fenelon, Laxton, Digby, Longford and Somerville twps. | 40,835.33 | 19,993.49 | 20,841.84 | 1,940.36 |
| Iroquois R.P.D.—Gower S., Matilda, Mount-ain, Oxford, Williamsburg and Winchester twps. | 174,264.61 | 86,788.95 | 87,475.66 | 10,479.26 |
| Kemptville R.P.D.—Oxford twp. | 11,335.47 | 5,520.91 | 5,814.56 | 928.59 |
| Kingston R.P.D.—Bedford, Ernestown, Hinchinbrooke, Kingston, Leeds & Lansdowne Front, Loughborough, Oso, Pitts-burgh and Portland twps. | 262,539.82 | 127,237.90 | 135,301.92 | 12,221.68 |
| Lakefield R.P.D.—Burleigh and Anstruther, Douro, Harvey and Smith twps. | *47,105.86 | 23,442.25 | 23,663.61 | 1,301.04 |
| Lindsay R.P.D.—Fenelon, Ops and Verulam twps. | 37,461.48 | 18,730.74 | 18,730.74 | 810.81 |
| Martintown R.P.D.—Charlottenburg and Lancaster twps. | 49,189.50 | 24,594.75 | 24,594.75 | 2,153.34 |
| Maxville R.P.D.—Caledonia, Kenyon, Plantagenet N., Plantagenet S. and Roxborough twps. | 118,216.38 | 59,108.19 | 59,108.19 | 8,258.22 |
| Millbrook R.P.D.—Cavan, Manvers and Monaghan S. twps. | 29,504.34 | 14,468.27 | 15,036.07 | 1,848.46 |

NOTE.—Items marked * include portions of transmission lines aggregating \$22,387.41 used for purposes of rural power districts.

RURAL POWER DISTRICTS

E.O.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 899.69 | 654.12 | 543.01 | 271.51 | 142.95 | 4,493.74 | 3,816.93 | ..... | 676.81 |
| 509.84 | 315.19 | 252.51 | 126.25 | 69.04 | 2,965.07 | 2,606.54 | ..... | 358.53 |
| 5,384.83 | 3,524.08 | 2,898.32 | 1,449.16 | 770.13 | 24,760.90 | 27,043.18 | 2,282.28 | ..... |
| 1,196.30 | 989.54 | 821.46 | 410.73 | 216.25 | 7,972.64 | 7,681.75 | ..... | 290.89 |
| 534.86 | 351.51 | 291.80 | 145.90 | 76.82 | 2,332.73 | 2,712.70 | 379.97 | ..... |
| 10,341.41 | 5,341.93 | 4,332.92 | 2,166.47 | 1,167.39 | 33,502.00 | 32,240.06 | ..... | 1,261.94 |
| 2,174.41 | 833.60 | 692.00 | 346.00 | 182.17 | 6,148.33 | 4,394.17 | ..... | 1,754.16 |
| 5.16 | 21.47 | 17.84 | 8.92 | 4.70 | 84.63 | 67.21 | ..... | 17.42 |
| 4,449.79 | 2,347.39 | 1,887.82 | 943.90 | 512.99 | 18,419.76 | 16,357.88 | ..... | 2,061.88 |
| 5,062.36 | 4,371.32 | 3,599.36 | 1,799.68 | 955.28 | 25,223.30 | 23,864.99 | ..... | 1,358.31 |
| 2,734.24 | 1,184.44 | 983.25 | 491.63 | 258.84 | 10,227.47 | 8,342.93 | ..... | 1,884.54 |
| 805.56 | 986.16 | 801.70 | 400.85 | 215.51 | 5,150.14 | 4,853.28 | ..... | 296.86 |
| 6,179.59 | 4,178.61 | 3,456.19 | 1,728.10 | 913.17 | 26,934.92 | 27,210.78 | 275.86 | ..... |
| 211.70 | 279.31 | 226.00 | 112.99 | 61.04 | 1,819.63 | 1,926.13 | 106.50 | ..... |
| 12,923.01 | 6,214.94 | 4,998.53 | 2,499.27 | 1,358.18 | 40,215.61 | 33,561.31 | ..... | 6,654.30 |
| 633.66 | 1,077.03 | 889.66 | 444.82 | 235.37 | 4,581.58 | 3,547.41 | ..... | 1,034.17 |
| 897.67 | 662.64 | 550.08 | 275.04 | 144.81 | 3,341.05 | 2,428.62 | ..... | 912.43 |
| 1,909.88 | 1,175.30 | 975.66 | 487.83 | 256.84 | 6,958.85 | 6,600.96 | ..... | 357.89 |
| 3,452.79 | 2,802.65 | 2,326.60 | 1,163.28 | 612.48 | 18,616.02 | 17,829.98 | ..... | 786.04 |
| 1,009.90 | 718.94 | 585.47 | 292.73 | 157.11 | 4,612.61 | 4,329.71 | ..... | 282.90 |

EASTERN ONTARIO SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|---|---|------------------|-------------------------|--|
| | Total capital cost | Government grant | Commission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Napanee R.P.D.—Camden E., Ernestown, Fredericksburg S., Fredericksburg N., Hungerford, Portland, Richmond, Sheffield and Tyendinaga twps. | *207,552.83 | 100,977.94 | 106,574.89 | 8,323.57 |
| Nepean R.P.D.—Clarence, Cumberland, Gloucester, Goulburn, Gower N., March, Nepean and Osgoode twps. | *334,380.97 | 162,727.79 | 171,653.18 | 16,479.72 |
| Newcastle R.P.D.—Clark, Darlington and Manvers twps. | *38,203.20 | 18,170.90 | 20,032.30 | 2,933.05 |
| Norwood R.P.D.—Asphodel, Belmont and Methuen, Dummer and Seymour twps. | *18,925.08 | 9,124.47 | 9,800.61 | 2,223.34 |
| Omeme R.P.D.—Emily and Ops twps. | 3,613.10 | 1,806.55 | 1,806.55 | 113.22 |
| Oshawa R.P.D.—Darlington, Pickering, Uxbridge, Whitby and Whitby E. twps. | 279,858.22 | 136,402.87 | 143,455.35 | 25,218.94 |
| Perth R.P.D.—Bathurst, Burgess N., Elmsley N. and Elmsley S. twps. | 28,981.23 | 14,490.61 | 14,490.62 | 1,237.89 |
| Peterborough R.P.D.—Cavan, Douro, Monaghan N., Monaghan S., Otonabee and Smith twps. | 177,366.26 | 88,683.13 | 88,683.13 | 15,366.75 |
| Prescott R.P.D.—Augusta, Edwardsburg and Matilda twps. | 75,844.43 | 37,741.12 | 38,103.31 | 3,826.79 |
| Renfrew R.P.D.—Admaston and Horton twps. | 7,887.19 | 3,943.59 | 3,943.60 | 612.16 |
| Smiths Falls R.P.D.—Bastard & Burgess S., Crosby S., Kitley, Montague and Wolford twps. | *117,659.89 | 56,935.36 | 60,724.53 | 5,752.01 |
| Stirling R.P.D.—Rawdon and Sidney twps. | *51,177.49 | 23,212.00 | 27,965.49 | 1,585.93 |
| Trenton R.P.D.—Brighton, Murray and Sidney twps. | *74,143.60 | 36,978.41 | 37,165.19 | 6,067.37 |
| Warkworth R.P.D.—Percy twp. | *1,671.04 | 648.75 | 1,022.29 | 129.39 |
| Wellington R.P.D.—Ameliasburg, Athol, Hallowell, Hillier and Murray twps. | *165,086.64 | 82,029.95 | 83,056.69 | 7,732.09 |
| Williamsburg R.P.D. — Matilda and Williamsburg twps. | 35,451.63 | 17,725.81 | 17,725.82 | 1,871.24 |
| | 3,216,840.02 | 1,580,026.93 | 1,636,813.09 | |
| Non-operating capital. | 9,465.43 | 4,732.72 | 4,732.71 | |
| Totals. | 3,226,305.45 | 1,584,759.65 | 1,641,545.80 | 193,481.31 |

NOTE.—Items marked * include portions of transmission lines aggregating \$22,387.41 used for purposes of rural power districts.

RURAL POWER DISTRICTS

E.O.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|-----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 5,429.16 | 5,070.74 | 4,097.75 | 2,048.89 | 1,108.13 | 26,078.24 | 21,821.88 | ..... | 4,256.36 |
| 13,796.88 | 8,163.24 | 6,598.33 | 3,299.16 | 1,783.95 | 50,121.28 | 46,715.75 | ..... | 3,405.53 |
| 1,544.04 | 964.10 | 763.09 | 381.56 | 210.69 | 6,796.53 | 6,039.36 | ..... | 757.17 |
| 693.28 | 467.27 | 374.40 | 187.20 | 102.11 | 4,047.60 | 3,298.91 | ..... | 748.69 |
| 60.86 | 87.05 | 72.26 | 36.13 | 19.02 | 388.54 | 136.63 | ..... | 251.91 |
| 11,934.00 | 6,655.94 | 5,384.32 | 2,692.17 | 1,454.55 | 53,339.92 | 55,689.52 | 2,349.60 | ..... |
| 859.00 | 680.70 | 565.08 | 282.54 | 148.76 | 3,773.97 | 2,324.57 | ..... | 1,449.40 |
| 6,210.32 | 4,200.49 | 3,487.00 | 1,743.50 | 917.95 | 31,926.01 | 31,146.33 | ..... | 779.68 |
| 3,482.84 | 1,815.57 | 1,499.93 | 749.96 | 396.77 | 11,771.86 | 10,976.47 | ..... | 795.39 |
| 129.68 | 189.20 | 157.48 | 78.74 | 41.46 | 1,208.72 | 900.53 | ..... | 308.19 |
| 5,899.20 | 2,908.06 | 2,338.31 | 1,169.16 | 635.51 | 18,702.25 | 16,949.30 | ..... | 1,752.95 |
| 880.63 | 1,330.66 | 1,009.58 | 504.79 | 290.80 | 5,602.39 | 4,993.37 | ..... | 609.02 |
| 2,231.81 | 1,786.54 | 1,479.37 | 739.67 | 390.42 | 12,695.18 | 12,405.77 | ..... | 289.41 |
| 102.74 | 47.80 | 32.21 | 16.11 | 10.44 | 338.69 | 294.71 | ..... | 43.98 |
| 5,132.78 | 3,979.96 | 3,283.39 | 1,641.70 | 869.76 | 22,639.68 | 19,882.59 | ..... | 2,757.09 |
| 1,508.97 | 786.97 | 653.30 | 326.65 | 171.98 | 5,319.11 | 5,236.52 | ..... | 82.59 |
| 121,212.84 | 77,164.46 | 62,925.98 | 31,462.99 | 16,863.37 | 503,110.95 | 470,228.73 | 5,394.21 | 38,276.43 |

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|---------------------|--------------------------|--|----------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Alexandria..... | Jan., 1921 | 694.85 | | 7.00 | 701.85 |
| Apple Hill..... | April, 1921 | 242.96 | | | 242.96 |
| Athens..... | Jan., 1929 | 64.05 | | | 64.05 |
| Bath..... | Nov., 1931 | 366.47 | | | 366.47 |
| Belleville..... | April, 1929 | 5,694.08 | | | 5,694.08 |
| Bloomfield..... | April, 1919 | 415.50 | | | 415.50 |
| Bowmanville..... | Oct., 1931 | | 1,824.91 | 1,824.91 | |
| Brighton..... | Nov., 1929 | 221.82 | | | 221.82 |
| Brockville..... | April, 1915 | 5,456.06 | | | 5,456.06 |
| Cardinal..... | July, 1930 | 314.23 | | | 314.23 |
| Carleton Place..... | May, 1919 | 3,880.22 | | | 3,880.22 |
| Chesterville..... | April, 1914 | 1,140.89 | | | 1,140.89 |
| Cobourg..... | Jan., 1932 | 2,273.76 | | | 2,273.76 |
| Colborne..... | Jan., 1933 | | | | |
| Deseronto..... | Jan., 1931 | 848.06 | | | 848.06 |
| Finch..... | Feb., 1928 | 338.15 | | | 338.15 |
| Hastings..... | June, 1931 | 447.41 | | | 447.41 |
| Havelock..... | Feb., 1921 | | 348.49 | 348.49 | |
| Kemptville..... | Dec., 1921 | 797.30 | | | 797.30 |
| Lakefield..... | Aug., 1920 | | 1,065.39 | 1,065.39 | |
| Lanark..... | Sept., 1921 | 395.44 | | | 395.44 |
| Lancaster..... | May, 1921 | | 5,762.49 | 1,062.49 | |
| Lindsay..... | Mar., 1928 | | 3,378.24 | 3,378.24 | |
| Madoc..... | Jan., 1930 | 636.74 | | 6.37 | 643.11 |
| Marmora..... | Jan., 1921 | 145.56 | | | 145.56 |
| Martintown..... | May, 1921 | 73.66 | | | 73.66 |
| Maxville..... | Feb., 1921 | 1,580.72 | | | 1,580.72 |
| Napanee..... | Nov., 1929 | 2,294.36 | | | 2,294.36 |
| Norwood..... | Feb., 1921 | 48.52 | | | 48.52 |
| Oshawa..... | Feb., 1929 | | 9,505.06 | 9,505.06 | |
| Ottawa..... | Jan., 1914 | | 1,597.54 | 1,639.95 | |
| Perth..... | Feb., 1919 | 3,572.73 | | | 3,572.73 |
| Peterborough..... | Mar., 1913 | 13,122.41 | | | 13,122.41 |
| Pictou..... | April, 1919 | 4,492.82 | | | 4,492.82 |
| Port Hope..... | Nov., 1929 | 75.75 | | | 75.75 |
| Prescott..... | Dec., 1913 | 431.43 | | | 431.43 |
| Richmond..... | Aug., 1928 | 263.69 | | | 263.69 |
| Russell..... | Feb., 1926 | 293.08 | | | 293.08 |
| Smiths Falls..... | Sept., 1918 | 4,436.46 | | | 4,436.46 |
| Stirling..... | Jan., 1930 | 323.51 | | | 323.51 |
| Trenton..... | Sept., 1931 | 2,427.34 | | | 2,427.34 |
| Tweed..... | Dec., 1930 | | 993.58 | 993.58 | |
| Warkworth..... | Oct., 1923 | | 203.36 | 203.36 | |
| Wellington..... | April, 1919 | 454.82 | | | 454.82 |
| Westport..... | Nov., 1931 | 815.25 | | | 815.25 |

SYSTEM

E.O.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1933

| Interest at 4% per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|---|---------|---|----------|---|----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 10.91 | | 310.75 | | 321.66 | |
| 3.38 | | | 45.25 | | 41.87 |
| 1.02 | | 532.74 | | 533.76 | |
| 5.22 | | 570.45 | | 575.67 | |
| 82.99 | | 6,153.39 | | 6,236.38 | |
| 5.46 | | 189.90 | | 195.36 | |
| | 24.00 | 607.97 | | 583.97 | |
| 3.01 | | 1,051.57 | | 1,054.58 | |
| 77.82 | | 1,837.92 | | 1,915.74 | |
| 4.44 | | | 179.43 | | 174.99 |
| 78.46 | | 384.42 | | 462.88 | |
| 17.36 | | 352.01 | | 369.37 | |
| | | 338.80 | | 338.80 | |
| | | | 28.09 | | 28.09 |
| 12.28 | | | 474.99 | | 462.71 |
| 5.21 | | 46.08 | | 51.29 | |
| 6.42 | | 352.40 | | 358.82 | |
| | 5.54 | 237.67 | | 232.13 | |
| 10.66 | | 395.49 | | 406.15 | |
| | 16.81 | 1,136.61 | | 1,119.80 | |
| 5.81 | | 59.42 | | 65.23 | |
| | 194.40 | 366.69 | | | 4,527.71 |
| | 49.98 | 3,224.85 | | 3,174.87 | |
| 10.68 | | 192.35 | | 203.03 | |
| 2.41 | | 231.50 | | 233.91 | |
| 0.98 | | 129.09 | | 130.07 | |
| 27.04 | | 82.90 | | 109.94 | |
| 30.17 | | 1,191.06 | | 1,221.23 | |
| 0.63 | | | 102.98 | | 102.35 |
| | 133.33 | 7,098.57 | | 6,965.24 | |
| 1.70 | 40.09 | | 1,470.89 | | 1,466.87 |
| 52.47 | | 1,535.87 | | 1,588.34 | |
| 175.44 | | | 3,747.76 | | 3,572.32 |
| 67.22 | | 2,491.93 | | 2,559.15 | |
| 0.95 | | 2,436.77 | | 2,437.72 | |
| 6.09 | | 786.98 | | 793.07 | |
| 5.31 | | | 103.92 | | 98.61 |
| 5.15 | | 139.54 | | 144.69 | |
| 71.47 | | 594.06 | | 665.53 | |
| 4.47 | | 255.74 | | 260.21 | |
| 31.92 | | 3,375.97 | | 3,407.89 | |
| | 22.60 | | 567.66 | | 590.26 |
| | 4.23 | 288.12 | | 283.89 | |
| 6.13 | | 442.54 | | 448.67 | |
| 11.85 | | 605.69 | | 617.54 | |

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|---------------------------|--------------------------|--|-----------|--|-----------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Whitby..... | Jan., 1926 | | 860.51 | 860.51 | |
| Williamsburg..... | April, 1915 | 565.44 | | | 565.44 |
| Winchester..... | Jan., 1914 | 956.53 | | | 956.53 |
| RURAL POWER DISTRICT* | | | | | |
| Alexandria R.P.D..... | Dec., 1929 | | 2,476.87 | | 4.05 |
| Arnprior R.P.D..... | Dec., 1930 | | 1,404.80 | | |
| Belleville R.P.D..... | Aug., 1927 | 20,815.72 | | | 474.67 |
| Bowmanville R.P.D..... | Jan., 1924 | 966.92 | | | 30.00 |
| Brighton R.P.D..... | Nov., 1929 | | 296.77 | | |
| Brockville R.P.D..... | Nov., 1921 | 2,403.74 | | | 292.38 |
| Campbellford R.P.D..... | Aug., 1924 | | 1,237.03 | | |
| Carleton Place R.P.D..... | Feb., 1932 | | 55.37 | | |
| Chesterville R.P.D..... | Nov., 1921 | 3,448.43 | | | 281.26 |
| Cobourg R.P.D..... | Feb., 1927 | 2,074.59 | | | 140.00 |
| Colborne R.P.D..... | Aug., 1925 | | 166.13 | | 100.84 |
| Fenelon Falls R.P.D..... | July, 1931 | | 872.12 | | 50.00 |
| Iroquois R.P.D..... | July, 1930 | 2,600.70 | | 1.00 | 440.00 |
| Kemptville R.P.D..... | Dec., 1930 | | 498.66 | | |
| Kingston R.P.D..... | Jan., 1923 | | 8,479.39 | | 180.56 |
| Lakefield R.P.D..... | July, 1928 | | 1,839.89 | | 30.00 |
| Lindsay R.P.D..... | July, 1930 | | 790.05 | | |
| Martintown R.P.D..... | Jan., 1922 | | 230.40 | | 121.10 |
| Maxville R.P.D..... | Dec., 1927 | | 942.76 | | 96.08 |
| Millbrook R.P.D..... | July, 1930 | | 1,337.23 | | |
| Napanee R.P.D..... | Nov., 1927 | | 7,891.50 | | 30.00 |
| Nepean R.P.D..... | Feb., 1922 | 7,100.68 | | | 698.81 |
| Newcastle R.P.D..... | Sept., 1927 | 1,883.35 | | | |
| Norwood R.P.D..... | Jan., 1929 | | 1,398.48 | | 137.28 |
| Omeme R.P.D..... | Jan., 1931 | | 301.34 | | 20.00 |
| Oshawa R.P.D..... | April, 1918 | 37,932.98 | | | 1,733.92 |
| Perth R.P.D..... | Aug., 1931 | | 1,871.50 | 175.43 | 42.64 |
| Peterborough R.P.D..... | Jan., 1927 | 13,643.45 | | | |
| Prescott R.P.D..... | June, 1922 | | 350.21 | | 390.00 |
| Renfrew R.P.D..... | Nov., 1930 | | 820.14 | | |
| Smiths Falls R.P.D..... | May, 1929 | | 4,295.94 | | 187.90 |
| Stirling R.P.D..... | Nov., 1929 | | 1,457.26 | | 20.00 |
| Trenton R.P.D..... | Jan., 1924 | 2,479.47 | | | 155.17 |
| Warkworth R.P.D..... | Nov., 1928 | 61.92 | | | |
| Wellington R.P.D..... | Nov., 1925 | | 5,822.27 | | 421.28 |
| Williamsburg R.P.D..... | Feb., 1923 | | 1,901.69 | | 26.99 |
| Totals..... | | 156,014.02 | 72,277.37 | 21,071.78 | 66,720.37 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM

E.O.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|-----------|---|-----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 7.50 | 11.50 | 363.10 | | 351.60 | |
| 13.54 | | 905.53 | | 913.03 | |
| | | 555.95 | | 569.49 | |
| | 99.17 | | 676.81 | | 3,256.90 |
| | 56.19 | | 358.53 | | 1,819.52 |
| 830.21 | | 2,282.28 | | 23,453.54 | |
| 38.68 | | | 290.89 | 684.71 | |
| | 11.87 | 379.97 | | 71.33 | |
| 95.26 | | | 1,261.94 | 944.68 | |
| | 49.48 | | 1,754.16 | | 3,040.67 |
| | 2.21 | | 17.42 | | 75.00 |
| 135.64 | | | 2,061.88 | 1,240.93 | |
| 82.98 | | | 1,358.31 | 659.26 | |
| | 7.78 | | 1,884.54 | | 2,159.29 |
| | 34.88 | | 296.86 | | 1,253.86 |
| 104.05 | | 275.86 | | 2,541.61 | |
| | 19.95 | 106.50 | | | 412.11 |
| | 339.46 | | 6,654.30 | | 15,653.71 |
| | 73.60 | | 1,034.17 | | 2,977.66 |
| | 31.60 | | 912.43 | | 1,734.08 |
| | 10.43 | | 357.89 | | 719.82 |
| | 37.85 | | 786.04 | | 1,862.73 |
| | 53.49 | | 282.90 | | 1,673.62 |
| | 315.66 | | 4,256.36 | | 12,493.52 |
| 283.44 | 1.70 | | 3,405.53 | 3,278.08 | |
| 75.33 | | | 757.17 | 1,201.51 | |
| | 56.56 | | 748.69 | | 2,341.01 |
| | 12.05 | | 251.91 | | 585.30 |
| 1,514.79 | | 2,349.60 | | 40,063.45 | |
| | 74.34 | | 1,449.40 | | 3,262.45 |
| 545.74 | | | 779.68 | 13,409.51 | |
| | 14.01 | | 795.39 | | 1,549.61 |
| | 32.81 | | 308.19 | | 1,161.14 |
| | 174.15 | | 1,752.95 | | 6,410.94 |
| | 58.29 | | 609.02 | | 2,144.57 |
| 97.30 | | | 289.41 | 2,132.19 | |
| 2.48 | | | 43.98 | 20.42 | |
| | 233.72 | | 2,757.09 | | 9,234.36 |
| | 76.13 | | 82.59 | | 2,087.40 |
| 4,669.47 | 2,379.86 | 47,246.60 | 44,997.40 | 131,601.92 | 88,975.05 |

EASTERN ONTARIO SYSTEM

Reserve for Renewals—October 31, 1933

| | | |
|--|--------------|------------------------------|
| Total provision for renewals to October 31, 1932 | | \$3,952,009.03 |
| Deduct: | | |
| Expenditures to October 31, 1932 | | 895,690.00 |
| Balance brought forward at October 31, 1932 | | \$3,056,319.03 |
| Renewals reserve in respect of Nipissing district transferred to Northern Ontario properties | | 215,038.84 |
| | | <u>\$2,841,280.19</u> |
| Added during the year ending October 31, 1933: | | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them | \$117,629.27 | |
| Amounts included in the costs of distribution of power within rural power districts | 62,925.98 | |
| Provision against equipment employed in respect of contracts with private companies which purchased power, and against equipment in local distribution systems | 47,237.84 | |
| Provision against equipment in Campbellford Pulp Mill | 1,051.20 | |
| Interest at 4 % per annum on the monthly balances at the credit of the account | 113,614.69 | |
| | | <u>342,458.98</u> |
| | | \$3,183,739.17 |
| Deduct: | | |
| Expenditures during the year ending October 31, 1933 | \$40,199.16 | |
| Provision for renewals on lines transferred | 912.98 | |
| | | <u>41,112.14</u> |
| Balance carried forward October 31, 1933 | | <u><u>\$3,142,627.03</u></u> |

EASTERN ONTARIO SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1933

| | | |
|---|-----------------------|--|
| Balance brought forward at October 31, 1932..... | \$1,314,734.73 | |
| Contingency reserve in respect of Nipissing district transferred to Northern Ontario properties..... | 186,788.89 | |
| | <u>\$1,127,945.84</u> | |
| Added during the year ending October 31, 1933: | | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them..... | \$36,376.53 | |
| Amount included in the costs of distribution of power within rural power districts..... | 31,462.99 | |
| Provision against equipment employed in respect of contracts with private companies which purchased power, and local distribution systems..... | 15,349.10 | |
| Share of profits realized in respect of the sale of certain of the Commission's investment securities..... | 4,671.39 | |
| Net profit from operation of local distribution systems and utilities..... | 1,281.64 | |
| Interest at 4 % per annum on monthly balances at the credit of the account..... | 45,117.83 | |
| | <u>134,259.48</u> | |
| | <u>\$1,262,205.32</u> | |
| Deduct: | | |
| Contingencies met with during the year ending October 31, 1933.. | \$121,516.44 | |
| Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements..... | 9,579.66 | |
| | <u>131,096.10</u> | |
| Balance carried forward October 31, 1933..... | <u>\$1,131,109.22</u> | |

EASTERN ONTARIO SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1933

| Municipality | Period of years ending Oct. 31, 1933 | Amount | Municipality | Period of years ending Oct. 31, 1933 | Amount |
|---------------------|--------------------------------------|------------|---------------------------|--------------------------------------|--------------|
| | | \$ c. | | | \$ c. |
| Alexandria..... | 9 years | 17,415.16 | Whitby..... | 5 years | 20,245.70 |
| Apple Hill..... | 9 " | 1,689.16 | Williamsburg..... | 13 " | 2,473.15 |
| Athens..... | 5 " | 2,458.42 | Winchester..... | 14 " | 10,830.56 |
| Bath..... | 2 " | 418.12 | | | |
| Belleville..... | 5 " | 59,864.19 | | | |
| | | | RURAL POWER DISTRICT* | | |
| Bloomfield..... | 5 " | 2,562.61 | Alexandria R.P.D..... | 4 " | 1,073.35 |
| Bowmanville..... | 2 " | 11,113.91 | Arnprior R.P.D..... | 3 " | 174.58 |
| Brighton..... | 4 " | 3,884.81 | Belleville R.P.D..... | 5 " | 7,434.78 |
| Brockville..... | 13 " | 90,546.25 | Bowmanville R.P.D..... | 5 " | 1,983.81 |
| Cardinal..... | 4 " | 1,431.50 | Brighton R.P.D..... | 4 " | 502.34 |
| Carleton Place..... | 9 " | 40,058.83 | Brockville R.P.D..... | 12 " | 10,640.38 |
| Chesterville..... | 14 " | 17,050.69 | Campbellford R.P.D..... | 5 " | 1,938.64 |
| Cobourg..... | 2 " | 8,067.27 | Carleton Place R.P.D..... | 2 " | 8.35 |
| Colborne..... | 1 " | 337.09 | Chesterville R.P.D..... | 12 " | 6,884.82 |
| Deseronto..... | 3 " | 1,951.46 | Cobourg R.P.D..... | 5 " | 8,029.70 |
| Finch..... | 6 " | 1,781.86 | Colborne R.P.D..... | 5 " | 2,410.26 |
| Hastings..... | 3 " | 788.72 | Fenelon Falls R.P.D..... | 3 " | 832.30 |
| Havelock..... | 5 " | 5,666.80 | Iroquois R.P.D..... | 4 " | 6,414.85 |
| Kemptville..... | 9 " | 9,967.75 | Kemptville R.P.D..... | 3 " | 368.09 |
| Lakefield..... | 5 " | 4,814.31 | Kingston R.P.D..... | 5 " | 7,752.11 |
| Lanark..... | 9 " | 3,115.98 | Lakefield R.P.D..... | 5 " | 698.09 |
| Lancaster..... | 9 " | 4,203.18 | Lindsay R.P.D..... | 4 " | 383.77 |
| Lindsay..... | 5 " | 34,998.34 | Martintown R.P.D..... | 12 " | 4,240.71 |
| Madoc..... | 4 " | 2,479.40 | Maxville R.P.D..... | 6 " | 5,414.70 |
| Marmora..... | 5 " | 2,136.48 | Millbrook R.P.D..... | 4 " | 942.65 |
| Martintown..... | 9 " | 1,082.90 | Napanee R.P.D..... | 5 " | 5,420.16 |
| Maxville..... | 9 " | 5,041.29 | Nepean R.P.D..... | 12 " | 13,300.08 |
| Napanee..... | 4 " | 14,478.29 | Newcastle R.P.D..... | 5 " | 1,782.62 |
| Norwood..... | 5 " | 2,711.38 | Norwood R.P.D..... | 5 " | 791.03 |
| Oshawa..... | 5 " | 186,135.35 | Omemee R.P.D..... | 3 " | 93.90 |
| Ottawa..... | 18 " | 52,227.00 | Oshawa R.P.D..... | 5 " | 17,571.23 |
| Perth..... | 9 " | 34,151.00 | Perth R.P.D..... | 3 " | 479.37 |
| Peterborough..... | 5 " | 117,464.27 | Peterborough R.P.D..... | 5 " | 12,613.33 |
| Pictou..... | 5 " | 20,429.65 | Prescott R.P.D..... | 12 " | 6,094.34 |
| Port Hope..... | 4 " | 17,960.58 | Renfrew R.P.D..... | 3 " | 114.84 |
| Prescott..... | 14 " | 25,550.45 | Smiths Falls R.P.D..... | 5 " | 4,706.98 |
| Richmond..... | 6 " | 894.27 | Stirling R.P.D..... | 4 " | 1,393.56 |
| Russell..... | 8 " | 2,863.57 | Trenton R.P.D..... | 5 " | 2,419.56 |
| Smiths Falls..... | 10 " | 52,428.70 | Warkworth R.P.D..... | 5 " | 88.69 |
| Stirling..... | 4 " | 3,026.08 | Wellington R.P.D..... | 5 " | 5,302.85 |
| Trenton..... | 2 " | 15,465.69 | Williamsburg R.P.D..... | 9 " | 960.66 |
| Tweed..... | 3 " | 2,472.03 | | | |
| Warkworth..... | 5 " | 1,484.82 | | | |
| Wellington..... | 5 " | 3,949.61 | | | |
| Westport..... | 2 " | 949.46 | | | |
| | | | Total..... | | 1,064,379.57 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

EASTERN ONTARIO SYSTEM

Reserve for Sinking Fund—October 31, 1933

| | | |
|--|----------------|--------------|
| Total provision for sinking fund to October 31, 1932..... | \$857,536.86 | |
| Sinking fund provision in respect of Nipissing district now transferred to Northern Ontario properties..... | 469.75 | |
| | | \$857,067.11 |
| Provided in the year ending October 31, 1933: | | |
| By charges included in the cost of power delivered to municipalities and rural power districts..... | \$110,238.06 | |
| By charges included in the costs of distribution of power within rural power districts..... | 16,863.37 | |
| By charges against contracts with private companies which purchased power, and local distribution systems..... | 45,928.35 | |
| Interest at 4 % per annum on the amount standing at the credit of the reserve accounts..... | 34,282.68 | |
| | | 207,312.46 |
| Total..... | \$1,064,379.57 | |

THUNDER BAY

Operating Account for the Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

| | | |
|---|--------------|-----------------------|
| Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of this system: | | |
| Generation and transmission equipment..... | \$211,219.87 | |
| Rural power districts..... | 3,509.95 | |
| | | \$214,729.82 |
| Interest (including exchange thereon) on capital investment in: | | |
| Generation and transmission equipment..... | \$970,562.19 | |
| Rural power districts..... | 2,307.24 | |
| | | 972,869.43 |
| Provision for renewals of: | | |
| Generation and transmission equipment..... | \$147,780.23 | |
| Rural power districts..... | 1,738.59 | |
| | | 149,518.82 |
| Provision for obsolescence and contingencies in respect of: | | |
| Rural power districts..... | \$869.29 | |
| | | 869.29 |
| Provision for sinking fund: | | |
| By charges included in the cost of power delivered to municipalities and rural power districts..... | \$105,741.76 | |
| By charges against contracts with private companies which purchased power..... | 34,794.54 | |
| By charges included in the cost of distribution of power within rural power districts..... | 457.68 | |
| | | 140,993.98 |
| | | <u>\$1,478,981.34</u> |

SYSTEM

Ending October 31, 1933

REVENUE FOR PERIOD

| | | |
|---|----------------|----------------|
| Amount received from (or billed against) each municipality by the Commission..... | \$1,049,329.42 | |
| Power sold to private companies..... | 321,494.51 | |
| Amounts received from (or billed against) customers in rural power districts..... | 9,275.86 | \$1,380,099.79 |
| Add: | | |
| Amounts due by certain municipalities, being the difference between the sums received (or billed) at interim rates and the amounts charged—following annual adjustment—in respect of power supplied in the year..... | \$95,683.25 | |
| Amounts due by municipalities comprising certain rural power districts, being the difference between the sums received from (or billed against) customers therein and the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year..... | 3,198.30 | 98,881.55 |
| Revenue..... | \$1,478,981.34 | \$1,478,981.34 |

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; tainment (by annual adjustment) of the actual cost

| Municipality | Interim rate per horsepower collected by Commission during year | | Share of capital cost of system on which interest and fixed charges are payable | Average horse-power supplied in year after correction for power factor | Share of operating | |
|--|---|------------------|---|--|--|-------------------------------|
| | To Jan. 1, 1933 | To Oct. 31, 1933 | | | Operating, main-tenance and adminis-trative expenses | Interest (including exchange) |
| | | | \$ c. | | \$ c. | \$ c. |
| Fort William..... | \$21.00, plus transfor- mation charges... | | 3,298,120.77 | 10,221.5 | 39,264.12 | 173,083.04 |
| Port Arthur..... | \$21.00 plus transfor- mation charges... | | 10,514,944.79 | 33,019.9 | 120,311.40 | 551,451.75 |
| Township of Nipigon.... | \$30.00.... | \$28.00.... | 24,657.61 | 83.5 | 1,379.54 | 1,296.81 |
| RURAL POWER DISTRICTS | | | | | | |
| Fort William R.P.D.—Neebing, Paipoonge and Oliver twps..... | | | 24,854.93 | 69.1 | 569.80 | 1,314.87 |
| Port Arthur R.P.D.—Shuniah twp..... | | | 12,444.24 | 31.8 | 389.65 | 609.49 |
| Totals—Municipalities..... | | | 13,837,723.17 | 43,324.9 | 160,955.06 | 725,831.60 |
| Totals—Rural power districts..... | | | 37,299.17 | 100.9 | 959.45 | 1,924.36 |
| Totals—Companies..... | | | 4,633,001.68 | 14,783.3 | 49,305.36 | 242,806.23 |
| | | | 18,508,024.02 | | | |
| Non-operating capital..... | | | 68,809.15 | | | |
| Grand totals..... | | | 18,576,833.17 | 58,209.1 | 211,219.87 | 970,562.19 |

THUNDER BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power delivered to districts as shown in "cost of power" table preceding |
|--|---|-------------------|--------------------------|--|
| | Total capital cost | Govern-ment grant | Com-mission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Fort William R.P.D.—Neebing, Oliver and Paipoonge twps..... | 60,963.67 | 30,481.84 | 30,481.83 | 2,367.59 |
| Port Arthur R.P.D.—Shuniah twp..... | 46,914.36 | 23,457.18 | 23,457.18 | 1,223.82 |
| Totals..... | 107,878.03 | 53,939.02 | 53,939.01 | 3,591.41 |

SYSTEM

T.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be charged to each Municipality upon ascertainment of power supplied to it in the year ending October 31, 1933

| costs and fixed charges | | Cost in excess of revenue from power sold to private companies | Total cost of power for year as provided to be paid under Power Commission Act | Amounts received from (or billed against) each municipality by the Commission | Amounts remaining to be charged to each municipality upon ascertainment of actual cost of power by annual adjustment |
|-------------------------|--------------|--|--|---|--|
| Renewals | Sinking fund | | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 26,806.95 | 25,229.63 | 9,735.17 | 274,118.91 | 251,129.95 | 22,988.96 |
| 84,515.37 | 80,040.60 | 31,448.85 | 867,767.97 | 795,677.92 | 72,090.05 |
| 187.78 | 182.13 | 79.53 | 3,125.79 | 2,521.55 | 604.24 |
| 219.61 | 197.50 | 65.81 | 2,367.59 | 2,367.59 | see below |
| 102.49 | 91.90 | 30.29 | 1,223.82 | 1,223.82 | " |
| 111,510.10 | 105,452.36 | 41,263.55 | 1,145,012.67 | 1,049,329.42 | 95,683.25 |
| 322.10 | 289.40 | 96.10 | 3,591.41 | 3,591.41 | ..... |
| 35,948.03 | 34,794.54 | (41,359.65) | 321,494.51 | 321,494.51 | ..... |
| 147,780.23 | 140,536.30 | ..... | 1,470,098.59 | 1,374,415.34 | 95,683.25 |
| | | | Net Charge..... | | 95,683.25 |

RURAL POWER DISTRICTS

T.B.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment costs in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,113.14 | 1,661.95 | 1,250.95 | 625.47 | 329.31 | 8,348.41 | 6,870.52 | ..... | 1,477.89 |
| 1,396.81 | 645.29 | 487.64 | 243.82 | 128.37 | 4,125.75 | 2,405.34 | ..... | 1,720.41 |
| 3,509.95 | 2,307.24 | 1,738.59 | 869.29 | 457.68 | 12,474.16 | 9,275.86 | ..... | 3,198.30 |

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1933, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1932 | | Cash receipts and payments on account of such credits and charges, also adjustments made during the year | |
|-------------------------|--------------------------|--|------------|--|---------|
| | | Credit | Charge | Credited | Charged |
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| Fort William..... | Oct., 1926 | | 24,527.56 | 24,527.56 | |
| Nipigon twp..... | Jan., 1925 | 891.63 | | | 891.63 |
| Port Arthur..... | Dec., 1910 | | 137,165.48 | 137,165.48 | |
| RURAL POWER DISTRICTS* | | | | | |
| Fort William R.P.D..... | Oct., 1932 | | 123.34 | | 40.00 |
| Port Arthur R.P.D..... | Jan., 1932 | 0.88 | | | |
| Totals..... | | 892.51 | 161,816.38 | 161,693.04 | 931.63 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

THUNDER BAY SYSTEM

Reserve for Renewals—October 31, 1933

| | |
|---|----------------|
| Total provision for renewals to October 31, 1932..... | \$1,144,179.30 |
| Deduct: | |
| Expenditures to October 31, 1932..... | 3,656.90 |
| Balance brought forward October 31, 1932..... | \$1,140,522.40 |
| Added during the year ending October 31, 1933: | |
| Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them..... | \$111,832.20 |
| Amounts included in the costs of distribution of power within rural power districts..... | 1,738.59 |
| Provision against equipment employed in respect of contracts with private companies which purchased power..... | 35,948.03 |
| Reserve provided in respect of equipment transferred..... | 793.19 |
| Interest at 4% per annum on monthly balances at the credit of the account..... | 45,650.65 |
| | 195,962.66 |
| | \$1,336,485.06 |
| Deduct: | |
| Expenditures during the year ending October 31, 1933..... | 11,165.57 |
| Balance carried forward October 31, 1933..... | \$1,325,319.49 |

SYSTEM

T.B.—CREDIT OR CHARGE

supplied to it to October 31, 1932, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1933

| Interest at 4 % per annum added during the year | | Net amount credited or charged in respect of power supplied in the year ending October 31, 1933 | | Accumulated amount standing as a credit or charge on October 31, 1933 | |
|--|----------|---|-----------|---|------------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 16.43 | 376.31 | | 22,988.96 | | 23,365.27 |
| | | | 604.24 | | 587.81 |
| | 1,884.32 | | 72,090.05 | | 73,974.37 |
| | | | | | |
| | 4.93 | | 1,477.89 | | 1,646.16 |
| 0.03 | | | 1,720.41 | | 1,719.50 |
| | | | | | |
| 16.46 | 2,265.56 | | 98,881.55 | | 101,293.11 |

THUNDER BAY SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1933

Balance brought forward October 31, 1932..... \$711,241.06

Added during the year ending October 31, 1933:

| | | |
|--|-----------|---------------------|
| Amount included in the costs of distribution of power within rural power districts..... | \$869.29 | |
| Share of profits realized in respect of the sale of certain of the Commission's investment securities..... | 2,527.11 | |
| Interest at 4 % per annum on monthly balances at the credit of the account..... | 28,449.64 | |
| | | 31,846.04 |
| | | <u>\$743,087.10</u> |

Deduct:

| | |
|---|-----------|
| Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements..... | 27,690.79 |
|---|-----------|

Balance carried forward October 31, 1933..... \$715,396.31

THUNDER BAY SYSTEM

T.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1933

| Municipality | Period of years ending October 31, 1933 | Amount |
|--------------------------|--|--------------|
| | | \$ c. |
| Fort William..... | 7 years | 239,785.83 |
| Port Arthur..... | 7 " | 821,761.42 |
| Township of Nipigon..... | 7 " | 1,439.22 |
| RURAL POWER DISTRICTS* | | |
| Fort William R.P.D..... | 2 years | 611.43 |
| Port Arthur R.P.D..... | 2 " | 355.55 |
| Total..... | | 1,063,953.45 |

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statement preceding.

ACCOUNT WITH THE PROVINCIAL TREASURER—NIAGARA AND

| | | |
|----------------|---|-------------------------|
| Feb. 8, 1933 | Cash returned to the Province in the year ending | |
| June 19, 1933 | October 31, 1933, to cover the difference between | |
| Aug. 8, 1933 | advances by the Province to the Commission | |
| | and the capital expenditures made out of such | |
| | advances by the Commission in the year ending | |
| | October 31, 1932..... | \$339,473.57 |
| Feb. 8, 1933 | Repayment to the Province of the investment— | |
| | according to book values—in the distribution | |
| | system in Cobourg (in the former Central Ontario | |
| | System) upon the sale of these properties to the | |
| | municipality..... | 451,585.69 |
| April 30, 1933 | Paid on account of interest and exchange..... | \$5,274,086.46 |
| Oct. 31, 1933 | Cheque to cover balance of interest and exchange | |
| | for year ending October 31, 1933..... | 5,326,005.30 |
| | | 10,600,091.76 |
| Oct. 31, 1933 | Payment under debt retirement plan..... | 2,155,176.38 |
| Oct. 31, 1933 | Balance carried down..... | 187,964,549.41 |
| | | <u>\$201,510,876.81</u> |

THUNDER BAY SYSTEM

Reserve for Sinking Fund—October 31, 1933

Total provision for sinking fund to October 31, 1932..... \$887,461.03

Provided in the year ending October 31, 1933:

| | | |
|---|--------------|-----------------------|
| By charges included in the cost of power delivered to municipalities and rural power districts..... | \$105,741.76 | |
| By charges included in the costs of distribution of power within rural power districts..... | 457.68 | |
| By charges against contracts with private companies which purchased power..... | 34,794.54 | |
| Interest at 4% per annum on amounts standing at the credit of the reserve accounts..... | 35,498.44 | |
| | | <u>176,492.42</u> |
| Total..... | | <u>\$1,063,953.45</u> |

OTHER SYSTEMS—FOR THE YEAR ENDING OCTOBER 31, 1933

| | | | |
|---|--|------------------------|-------------------------|
| Oct. 31, 1932 | Cash advances to date for the purposes of Niagara and other Power Systems..... | \$204,488,631.44 | |
| | Less repayments to that date under debt retirement plan..... | 14,853,440.35 | |
| | | | <u>\$189,635,191.09</u> |
| Nov. 1, 1932 } to Oct. 31, 1933 } | Sundry cash advances..... | | 1,275,593.96 |
| Oct. 31, 1933 | Interest for year on all cash advances..... | \$10,522,687.93 | |
| Oct. 31, 1933 | Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet interest and capital retirements..... | 819,433.15 | |
| | | <u>\$11,342,121.08</u> | |
| | Less—Interest credited by Province on repayments made by Commission..... | 742,029.32 | |
| | | | <u>10,600,091.76</u> |
| | | | <u>\$201,510,876.81</u> |
| Nov. 1, 1933 | Total cash advances..... | \$204,973,166.14 | |
| | Less—Payments made under debt retirement plan..... | 17,008,616.73 | |
| | | | <u>\$187,964,549.41</u> |

NORTHERN ONTARIO

Embracing the Nipissing, Wahnapiatae, Abitibi-

Operating Account for the

COST OF OPERATION

Power purchased:

| | |
|--|---------------------|
| For Abitibi-Sudbury District to May 25, 1933, after which date power was supplied from No. 1 unit of the Abitibi Canyon development..... | \$118,246.57 |
| Costs of operation and maintenance, including the proportion of administrative office expense chargeable to the operation of these properties..... | 286,942.24 |
| Interest (including exchange thereon) on capital investment in generation and transmission equipment..... | 371,264.32 |
| Provision for renewals of generation and transmission equipment..... | 99,669.57 |
| Provision for obsolescence and contingencies..... | 31,316.85 |
| Total costs of operation..... | \$907,439.55 |
| Operating surplus for year..... | 20,258.19 |
| | <u>\$927,697.74</u> |
| Provision—to extent of surplus available—for depreciation on Hunta-Copper Cliff line for period prior to November 1, 1932..... | \$20,258.19 |

NOTE.—Interest on expenditures on Abitibi Canyon development capitalized during construction.

NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Wahnapiatae, Abitibi-Sudbury and Patricia
(Ear Falls) Districts

Reserve for Renewals—October 31, 1933

| | |
|---|---------------------|
| Total provision for renewals to October 31, 1932..... | \$339,105.54 |
| Deduct expenditures to October 31, 1932..... | 51,379.73 |
| Amount of reserves at October 31, 1932..... | \$287,725.81 |
| Added during the year ending October 31, 1933..... | \$119,927.76 |
| Interest at 4 per cent. per annum on monthly balances at the credit of the account..... | 11,509.04 |
| | <u>131,436.80</u> |
| Deduct expenditures during the year ending October 31, 1933..... | \$419,162.61 |
| | 5,483.51 |
| Balance carried forward October 31, 1933..... | <u>\$413,679.10</u> |

PROPERTIES**Sudbury and Patricia (Ear Falls) Districts****Year Ending October 31, 1933**

REVENUE FOR PERIOD

| | |
|--|--------------|
| Power sold to private companies and customers..... | \$927,697.74 |
|--|--------------|

| | |
|--|---------------------|
| | <u>\$927,697.74</u> |
|--|---------------------|

| | |
|--|--------------------|
| Operating surplus for year brought down..... | <u>\$20,258.19</u> |
|--|--------------------|

NORTHERN ONTARIO PROPERTIES**Embracing the Nipissing, Wahnapiatae, Abitibi-Sudbury and Patricia
(Ear Falls) Districts****Reserve for Obsolescence and Contingencies—October 31, 1933**

| | | |
|---|--------------|---------------------|
| Amount of reserves to October 31, 1932..... | \$175,744.75 | |
| Added during the year ending October 31, 1933..... | \$31,316.85 | |
| Share of profits realized in respect of the sale of certain of the Commission's investment securities..... | 789.93 | |
| Interest at 4 per cent. per annum on monthly balances at the credit of the account..... | 7,029.79 | |
| | | <u>39,136.57</u> |
| | | \$214,881.32 |
| Deduct: | | |
| Contingencies met with during the year ending October 31, 1933 | \$648.00 | |
| Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements..... | 2,629.86 | |
| | | <u>3,277.86</u> |
| Balance carried forward October 31, 1933..... | | <u>\$211,603.46</u> |

NORTHERN ONTARIO

Nipissing Rural Power Districts—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power |
|--|---|--------------------------|---------------------------------|------------------|
| | Total capital cost | Govern- ment grant | Com- mission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| North Bay R.P.D.—West Ferris and Widdi- field twps..... | 32,565 .04 | 15,911 .74 | 16,653 .30 | 3,993 .41 |
| Powassan R.P.D.—Himsworth South twp.. | 5,202 .30 | 2,601 .15 | 2,601 .15 | 121 .97 |
| Totals..... | 37,767 .34 | 18,512 .89 | 19,254 .45 | 4,115 .38 |

NORTHERN ONTARIO

Nipissing Rural Power Districts—

Statement showing the net Credit to each Municipality in respect of power supplied Credited to each Municipality in respect of power supplied in the year to each Municipality

| Rural power district | Date commenced operating | Net credit at October 31, 1932 |
|---|--------------------------------|-----------------------------------|
| | | Credit |
| | | \$ c. |
| North Bay R.P.D.—West Ferriss and Widdifield twps..... | June, 1927 | 7,571 .06 |
| Powassan R.P.D.—Himsworth South twp..... | Nov., 1931 | 41 .05 |
| Totals..... | ..... | 7,612 .11 |

PROPERTIES

NIPISSING RURAL

Rural Operating

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|---------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,733.64 | 799.00 | 621.67 | 310.83 | 167.44 | 8,625.99 | 9,627.44 | 1,001.45 | ..... |
| 84.99 | 127.80 | 101.73 | 50.87 | 26.78 | 514.14 | 583.85 | 69.71 | ..... |
| 2,818.63 | 926.80 | 723.40 | 361.70 | 194.22 | 9,140.13 | 10,211.29 | 1,071.16 | ..... |

PROPERTIES

NIPISSING RURAL

Credit or Charge

to it to October 31, 1932, the interest added during the year; also the net amount ending October 31, 1933, and the accumulated amount standing as a Credit at October 31, 1933

| Interest at 4 % per annum added during the year | Net amount credited in respect of power supplied in the year ending October 31, 1933 | Accumulated amount standing as a credit on October 31, 1933 |
|---|--|---|
| Credited | Credited | Credit |
| \$ c. | \$ c. | \$ c. |
| 302.84 | 1,001.45 | 8,875.35 |
| 1.64 | 69.71 | 112.40 |
| 304.48 | 1,071.16 | 8,987.75 |

NORTHERN ONTARIO

Nipissing Rural Power Districts—Reserve for Renewals
—October 31, 1933

| | |
|---|------------|
| Total provision for renewals to October 31, 1932..... | \$2,958.59 |
| Added during the year ending October 31, 1933..... | 723.40 |
| Interest at 4 per cent. per annum on monthly balances at the credit of the account..... | 118.34 |
| | <hr/> |
| Balance carried forward October 31, 1933..... | \$3,800.33 |
| | <hr/> |

Nipissing Rural Power Districts—Sinking Fund

Statement showing Sinking Fund paid by each Rural Power District in the periods mentioned hereunder, as part of the cost of power delivered thereto, and interest allowed thereon to October 31, 1933

| Rural power district | Period of years ending October 31, 1933 | Amount |
|---|---|--------|
| | | \$ c. |
| North Bay R.P.D.—West Ferris and Widdifield twps..... | 4 years | 634.76 |
| Powassan R.P.D.—Himsworth S. twp..... | 2 " | 48.00 |
| Total..... | | 682.76 |

NORTHERN ONTARIO

Manitoulin Island Rural Power

Statement showing the costs of distribution of power within Rural Power District, amount remaining to be charged to the Municipalities comprising costs in the year ending

| District and municipalities comprised therein | Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission | | | Cost of power purchased |
|--|---|--------------------------|---------------------------------|-------------------------------|
| | Total capital cost | Govern- ment grant | Com- mission's investment | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Manitoulin R.P.D.—Gordon Allan, Billings and Carnarvon twps., Town of Gore Bay and Indian Reserve..... | 59,970.48 | 27,344.69 | 32,625.79 | 3,281.25 |

PROPERTIES

NIPISSING RURAL

**Nipissing Rural Power Districts—Reserve for Obsolescence and Contingencies
—October 31, 1933**

| | |
|---|-------------------|
| Amount of reserves to October 31, 1932..... | \$919.50 |
| Added during the year ending October 31, 1933..... | 361.70 |
| Interest at 4 per cent. per annum on monthly balances at the credit of the account..... | 36.78 |
| Balance carried forward October 31, 1933..... | <u>\$1,317.98</u> |

Nipissing Rural Power Districts—Reserve for Sinking Fund, October 31, 1933

| | |
|---|-----------------|
| Total provision for sinking fund to October 31, 1932..... | \$469.75 |
| Provided in the year ending October 31, 1933: | |
| By charges included in the costs of distribution of power within rural power districts..... | \$194.22 |
| Interest at 4 % per annum on the amount standing at the credit of the reserve accounts..... | 18.79 |
| | <u>213.01</u> |
| | <u>\$682.76</u> |

PROPERTIES

MANITOULIN RURAL

District—Rural Operating

the revenues collected from (or charged to) customers within the District, and the this District upon ascertainment (by annual adjustment) of the actual October 31, 1933

| Distribution costs and fixed charges | | | | | Total cost | Revenue from power and light customers in each district | Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts | |
|---|-------------------------------|-----------------|--------------------------------|--------------|------------|---|---|----------|
| Cost of operation, maintenance and administration | Interest (including exchange) | Renewal charges | Obsolescence and contingencies | Sinking fund | | | Credited | Charged |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,447.26 | 1,434.09 | 996.29 | 476.90 | 285.45 | 7,921.24 | 6,537.40 | ..... | 1,383.84 |

GUELPH

Operating Account for

EXPENDITURE

| | | |
|---|-------------|--------------------|
| Transportation expense..... | \$23,745.09 | |
| Maintenance—way and structures..... | 6,747.34 | |
| Maintenance—equipment..... | 15,566.45 | |
| Electric power and motor fuel..... | 9,469.67 | |
| General operating and management expenses, including a proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway..... | 10,577.01 | |
| Insurance..... | 3,700.83 | |
| Taxes..... | 353.89 | |
| | | \$70,160.28 |
| Interest..... | | 13,768.35 |
| Provision for instalments payable to the City of Guelph on May 1, 1933, and November 1, 1933, under purchase agreement: | | |
| Interest for year..... | \$3,349.36 | |
| On account of principal..... | 8,350.64 | |
| | | 11,700.00 |
| Provision for sinking fund..... | | 3,159.00 |
| | | <u>\$98,787.63</u> |

GUELPH RADIAL RAILWAY

Reserve for Renewals—October 31, 1933

| | |
|---|--------------------|
| Total provision for renewals to October 31, 1932..... | \$55,793.41 |
| Deduct: | |
| Expenditures to October 31, 1932..... | 24,860.19 |
| Balance brought forward October 31, 1932..... | <u>\$30,933.22</u> |
| Added during the year ending October 31, 1933: | |
| Interest at 4 % on the monthly balances at the credit of the account..... | 1,237.33 |
| | <u>\$32,170.55</u> |
| Deduct: | |
| Expenditures during the year ending October 31, 1933..... | 697.57 |
| Balance carried forward October 31, 1933..... | <u>\$31,472.98</u> |

RADIAL RAILWAY**the Year Ending October 31, 1933**

REVENUE

| | |
|---|-------------|
| Operating revenue..... | \$57,455.31 |
| Net deficit for year payable by the City of Guelph..... | 41,332.32 |

\$98,787.63
GUELPH RADIAL RAILWAY**Reserve for Sinking Fund—October 31, 1933**

| | |
|---|------------|
| Total provision for sinking fund to October 31, 1932..... | \$4,801.68 |
| Provided in the year ending October 31, 1933..... | 3,159.00 |
| Interest at 4 % on the monthly balances at the credit of the account..... | 192.07 |

Balance carried forward October 31, 1933..... \$8,152.75

THE HAMILTON STREET

A Subsidiary of the Hydro-Electric

Balance Sheet—

ASSETS

| | | |
|---|----------------|-----------------------|
| Properties, road, equipment, motor buses, franchises, etc., as shown in the books of the Company..... | \$4,777,945.79 | |
| Less—Reserves for renewal— | | |
| Of properties, road and equipment..... | \$695,341.72 | |
| Of motor buses (fully covered)..... | 189,586.94 | |
| | | 884,928.66 |
| | | <u>\$3,893,017.13</u> |
| Expenditures by Company in respect of T.H. & B. subway at James Street— carried forward pending final allocation of total cost of subway by Dominion Railway Board..... | | 20,932.78 |
| Materials and supplies..... | | 56,652.25 |
| Cash in bank..... | \$12,438.70 | |
| Cash in hands of conductors and other employees..... | 10,940.00 | |
| | | 23,378.70 |
| Accounts receivable—Less reserve for doubtful accounts..... | | 5,687.93 |
| Taxes and insurance prepaid..... | | 6,699.08 |
| | | <u>\$4,006,367.87</u> |

THE HAMILTON STREET

A Subsidiary of the Hydro-Electric

Statement of Revenue and Expenditure—

EXPENDITURE

| | |
|---|---------------------|
| Transportation expenses..... | \$311,303.17 |
| Maintenance—Way and structures..... | 50,568.84 |
| Maintenance—Equipment..... | 100,968.86 |
| Power and motor fuel—including power purchased..... | 177,362.25 |
| General operating and management expenses, including a proportion of adminis- trative and accounting expenses of the Commission chargeable to the operation of the railway..... | 49,945.13 |
| Taxes..... | 56,761.03 |
| Insurance—Fire, accident and liability..... | 40,117.96 |
| | <u>\$787,027.24</u> |
| Total operating expenses..... | |
| Net profit for year, before provision for renewal of road and equipment..... | 27,307.72 |
| | <u>\$814,334.96</u> |

RAILWAY COMPANY**Power Commission of Ontario****October 31, 1933****LIABILITIES**

| | | |
|--|----------------|-----------------------|
| Capital stock: | | |
| Issued—64,100 shares of a par value of \$50.00 each..... | \$3,205,000.00 | |
| Capital surplus—Created by advances to the Company by Dominion Power & Transmission Company Limited, prior to 31st December, 1929..... | 488,846.85 | \$3,693,846.85 |
| Profit and loss account at October 31st, 1932..... | \$21,929.59 | |
| Less charges thereagainst in the last fiscal year..... | 3,968.35 | 17,961.24 |
| Hydro-Electric Power Commission of Ontario— | | |
| Cash advances..... | | 250,837.27 |
| Accounts payable and accrued charges..... | | 37,922.51 |
| Reserve for outstanding tickets..... | | 5,800.00 |
| Contingent liability— | | |
| Share of cost of T.H. & B. subway at James Street expected to be found payable by Company upon final allocation of total cost of subway by Dominion Railway Board. | | |
| | | <u>\$4,006,367.87</u> |

RAILWAY COMPANY**Power Commission of Ontario****For the Year ending October 31, 1933****REVENUE**

| | |
|--------------------------|---------------------|
| Passenger..... | \$799,074.63 |
| Freight and express..... | 2,961.80 |
| Miscellaneous..... | 12,298.53 |
| Total Revenue..... | <u>\$814,334.96</u> |

\$814,334.96**NOTE:**

| | |
|---|--------------|
| Interest on Commission's advances to, and investment in capital stock of, the Hamilton Street Railway Company..... | \$164,220.43 |
| in excess of profit for year (before provision for renewal of road and equipment) from operation of the street railway..... | 27,307.72 |
| a balance of..... | \$136,912.71 |
| has been charged to the contingency reserve of the Niagara system. | |

APPROPRIATIONS, ADVANCES AND CAPITAL EXPENDITURES

For the Year Ending October 31, 1933

Appropriations made by the Legislature for the purposes of the Commission, Cash
 Advances by the Province to the Commission on account of such appropriations,
 and the Capital Expenditures made on each Undertaking and System
 by the Commission out of such Cash Advances in the Year
 Ending October 31, 1933

| NIAGARA SYSTEM | | |
|--|-----------------------|---------------------|
| Appropriations by Legislature: | | |
| For power developments, including Chats Falls..... | \$730,000.00 | |
| For transformer and distributing stations..... | 550,000.00 | |
| For transmission lines and rural distribution systems..... | 600,000.00 | |
| For miscellaneous..... | 350,000.00 | |
| | <u>\$2,230,000.00</u> | |
| Cash advances to the Commission out of such appropriations..... | \$1,294,785.00 | |
| Deduct: Amount returned to the Province on October 31, 1933..... | 500,000.00 | |
| | <u>\$794,785.00</u> | |
| Unexpended balance as at October 31, 1933, returnable to Province. | 294,591.31 | |
| | | \$500,193.69 |
| Capital expenditure by the Commission: | | |
| On Chats Falls development..... | \$289,262.38 | |
| On Ontario Power development..... | 4,546.77 | |
| On steel-tower lines..... | 7,680.73 | |
| On wood-pole lines..... | 17,201.56 | |
| On transformer stations..... | 101,318.35 | |
| On Eastern transformer stations..... | 168,532.37 | |
| On Eastern right-of-way..... | 113,078.46 | |
| On rural power districts..... | 184,551.19 | |
| On local distribution systems..... | 9,179.56 | |
| | <u>\$895,351.37</u> | |
| On Queenston-Chippawa development— | | |
| Receipts in excess of expenditures..... | \$35,294.98 | |
| On right-of-way— | | |
| Receipts in excess of expenditures..... | 37,280.19 | |
| On Eastern transmission lines— | | |
| Receipts in excess of expenditures..... | 322,582.51 | |
| | <u>395,157.68</u> | |
| | | <u>\$500,193.69</u> |

| GEORGIAN BAY SYSTEM | | |
|---|--------------------|--------------------|
| Appropriations by Legislature..... | | |
| | \$405,000.00 | |
| Cash advances to the Commission out of such appropriations.... | \$89,042.00 | |
| Unexpended balance as at October 31, 1933, returnable to the Province | 23,422.53 | |
| | | \$65,619.47 |
| Capital expenditure by the Commission: | | |
| On power developments..... | \$8,743.56 | |
| On transformer stations..... | 5,931.46 | |
| On transmission lines..... | 13,505.96 | |
| On rural power districts..... | 40,229.60 | |
| | <u>\$68,410.58</u> | |
| On local distribution systems— | | |
| Receipts in excess of expenditures..... | 2,791.11 | |
| | | <u>\$65,619.47</u> |

EASTERN ONTARIO SYSTEM

| | | |
|---|--------------|-------------|
| Appropriations by Legislature..... | \$305,000.00 | |
| Cash advances to the Commission out of such appropriations..... | \$94,000.00 | |
| Unexpended balance as at October 31, 1933, returnable to the Province | 14,096.46 | \$79,903.54 |
| Capital expenditure by the Commission: | | |
| On power developments..... | \$2,792.34 | |
| On transformer stations..... | 415.74 | |
| On rural power districts..... | 71,837.55 | |
| On local distribution systems..... | 4,290.91 | |
| On rural lines..... | 1,238.53 | |
| | \$80,575.07 | |
| On transmission lines— | | |
| Receipts in excess of expenditures..... | 671.53 | \$79,903.54 |

THUNDER BAY SYSTEM

| | | |
|---|--------------|--------------|
| Appropriations by Legislature and by Treasury Board minute..... | \$206,000.00 | |
| Cash advances to the Commission out of such appropriations and Treasury Board minute..... | \$149,000.00 | |
| Expended out of renewals and other reserve funds of the system..... | 1,033.67 | \$150,033.67 |
| Capital expenditure by the Commission: | | |
| On transmission lines..... | \$8,699.19 | |
| On transformer stations..... | 119,221.50 | |
| On rural power districts..... | 32,804.16 | |
| | \$160,724.85 | |
| On power developments— | | |
| Receipts in excess of expenditures..... | 10,691.18 | \$150,033.67 |

NORTHERN ONTARIO PROPERTIES

ABITIBI CANYON DEVELOPMENT

| | | |
|---|----------------|----------------|
| Appropriations by Legislature..... | Nil | |
| Cash received by the Commission upon purchase from the Receiver of the Assets covered by the Bond Mortgage of Ontario Power Service Corporation, Limited..... | \$2,697,392.69 | |
| Unexpended balance as at October 31, 1933..... | 897,167.55 | \$1,800,225.14 |
| Capital expenditure by the Commission: | | |
| On purchase of the above mentioned assets, in cash..... | \$290,150.00 | |
| This is additional to the \$17,625,125.00 twenty year bonds of the Commission, guaranteed by the Province, bearing interest at 3½ per cent. for the first five years, 4 per cent. for the next five years and 5 per cent. for the last ten years. | | |
| Toward completion of the development and on account of expenses incidental to the purchase..... | 1,452,668.92 | |
| In settlement of contractors' and other claims..... | 57,406.22 | \$1,800,225.14 |

NORTHERN ONTARIO PROPERTIES—Continued
AND
MANITOULIN RURAL POWER DISTRICT

| | | |
|---|--------------------|--|
| Appropriations by Legislature and by Treasury Board Minute..... | \$255,690.96 | |
| Cash advances to the Commission out of such appropriations and Treasury Board Minute..... | \$88,766.96 | |
| Deduct: Amount returned to Province on August 8, 1933.... | 5,428.83 | |
| | <u>\$83,338.13</u> | |
| Deduct: Capital expenditure in the year ending October 31, 1932, in excess of cash advances by the Province: | | |
| (a) In respect of Northern Ontario Properties..... | \$45,153.78 | |
| (b) In respect of Manitoulin Rural Power District.... | 1,119.61 | |
| | <u>46,273.39</u> | |
| | <u>\$37,064.74</u> | |
| Expended out of renewals and other reserve funds of the Commission..... | 3,723.72 | |
| | <u>\$40,788.46</u> | |
| Capital expenditure by the Commission on Northern Ontario Properties: | | |
| On power development—Wahnapitae district..... | \$10,584.13 | |
| On transformer stations—Wahnapitae district..... | 2,141.94 | |
| | <u>\$12,726.07</u> | |
| On transmission lines—Wahnapitae district | | |
| Receipts in excess of expenditures..... | 2,756.39 | |
| | <u>\$9,969.68</u> | |
| On transmission lines—Hunta-Copper Cliff..... | 8,070.70 | |
| On transmission lines—Nipissing district..... | \$375.98 | |
| On local distribution systems—Nipissing district..... | 4,627.85 | |
| On rural power districts—Nipissing district..... | 1,932.37 | |
| | <u>\$6,936.20</u> | |
| On power development—Nipissing district | | |
| Receipts in excess of expenditures..... | \$649.27 | |
| On transformer stations—Nipissing district | | |
| Receipts in excess of expenditures..... | 88.59 | |
| | <u>737.86</u> | |
| | <u>6,198.34</u> | |
| | <u>\$24,238.72</u> | |
| On power development—Patricia district (Ear Falls) | | |
| Receipts in excess of expenditures..... | 956.44 | |
| | <u>\$23,282.28</u> | |
| Capital expenditure by the Commission on Manitoulin Rural Power District: | | |
| On transformer stations—Manitoulin district..... | \$4,989.76 | |
| On rural power districts—Manitoulin district..... | 12,516.42 | |
| | <u>17,506.18</u> | |
| | <u>\$40,783.46</u> | |

MISCELLANEOUS

| | | |
|---|--------------------|--|
| Appropriations by Legislature..... | \$1,000,000.00 | |
| Cash advances to the Commission out of such appropriations.... | \$60,000.00 | |
| Unexpended balance as at October 31, 1933, returnable to Province.. | 10,008.50 | |
| | <u>\$49,991.50</u> | |
| Capital expenditure by the Commission: | | |
| On preliminary engineering and architects' plans for proposed new administration building..... | \$46,860.24 | |
| On service building and equipment..... | 3,131.26 | |
| | <u>\$49,991.50</u> | |

RURAL POWER DISTRICTS—SUMMARY

Statement showing the total capital expenditures to October 31, 1933, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction; the investment in lines in operation; the amounts of the Grant (fifty per cent of both Primary and Secondary lines) payable to the Commission by the Province of Ontario; also the extents to which Grants stand authorized by Orders-in-Council under the Rural Hydro Electric Distribution Act, and the amounts of such Grants paid over by the Province to the Commission under such authorization up to October 31, 1933

| System | Total capital expenditure | In course of construction | In operation | *Grants (50 % of primary and secondary lines) payable by the Province | Extents to which grants stand authorized by orders-in-council | Grants paid by Province to Commission under such authorizations |
|--|---------------------------|---------------------------|---------------|---|---|---|
| | \$ | \$ | \$ | \$ | \$ | \$ |
| Niagara system..... | 12,793,360.49 | 15,149.60 | 12,778,210.89 | 6,353,049.58 | 7,241,161.31 | 6,351,737.71 |
| Georgian Bay system..... | 1,496,078.84 | 2,872.74 | 1,493,206.10 | 715,387.58 | 829,681.99 | 715,290.09 |
| Thunder Bay system..... | 107,878.03 | ..... | 107,878.03 | 53,939.02 | 67,650.00 | 53,939.02 |
| Manitoulin district..... | 54,872.37 | ..... | 54,872.37 | 27,344.69 | 31,461.50 | 27,344.69 |
| Nipissing district..... | 37,767.34 | ..... | 37,767.34 | 18,512.89 | 22,047.00 | 18,512.89 |
| Eastern Ontario system including Ottawa and Madawaska districts..... | 3,203,918.04 | 9,465.43 | 3,194,452.61 | 1,584,759.65 | 1,806,122.39 | 1,584,727.11 |
| Totals..... | 17,693,875.11 | 27,487.77 | 17,666,387.34 | 8,752,993.41 | 9,998,124.19 | 8,751,551.51 |
| Additional sum authorized by above Orders-in-Council and paid over to the Commission but not allocated as between rural power districts..... | ..... | ..... | ..... | ..... | ..... | 41,556.59 |
| | | | | | | 8,793,108.10 |

NOTE:—

The cash paid over by the Province to the Commission up to October 31, 1933, on account of authorized grants to rural power districts—as above set out—amounts to.....

The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1933, amount in the aggregate to.....

A balance of.....

Which balance represents:

(a) Grant funds in the hands of the Commission at October 31, 1933, not allocated but to apply against the construction of authorized rural power districts and extension to existing districts.....

Less:

(b) Grants (or balance thereof) payable by the Province to the Commission in respect of certain rural power districts completed, or under construction.....

\$40,114.69

NOTE: *Grants not made by Province in respect of a summer resort, street lighting systems in 61 districts, service buildings in 2 districts and amounts paid for business already established (hereinafter called Intangible Assets) in 9 rural distribution systems purchased from private companies.

SECTION X

MUNICIPAL ACCOUNTS

And Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing system and operating with energy supplied by or through the Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1933, this standard method of accounting was installed in Mildmay and Colborne.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the bookkeeping for the electrical utilities is performed by representatives of the municipal audit department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1912, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16 in 1913 to \$91,184,586.56 in 1933, and the total assets from \$11,907,826.86 to \$135,703,252.64. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to \$49,920,753.88. The reasons for this

are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 39.5 per cent in 1933. The equities in the Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net shortage of \$627,011.33 for 1933.

The five statements, "A" to "E," following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In the statements "A" and "B," the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" presents the balance sheet of each electrical utility. The plant values are portrayed under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are, by their nomenclature, self-explanatory with the exception, perhaps, of the item entitled "equity in H.E.P.C. systems." This represents the amount of accumulated sinking fund credited to the municipal utilities through the medium of "power cost" and accrued interest, toward the ultimate retirement of the capital invested by the Hydro-Electric Power Commission of Ontario on their behalf. The total accumulation by these municipalities at the end of 1933 is shown in the consolidated balance sheet to be \$26,045,679.00.

In conformity with a policy of service at cost to the customer, refunds by cash or credit were made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The amounts of the accumulated surpluses rebated equalled, in different municipalities, from one-twelfth to one-third of the previous year's revenue. The total thus returned to customers during the year 1933 amounted in round figures to \$240,000.00.

In each case the balance sheets are complete and final, and include the adjustments between the estimated and actual costs of power to the municipality.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 20.18 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$57,688,737.92, approximately 63.26 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility, and the number of consumers of each class are also shown.

The item "power purchased" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 282 municipal electric utilities included in this statement, 171 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$306,522.71 for the year; 75 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$613,701.11; in the case of 36 utilities the revenue was less than the total of operating expenses, interest and debt retirement instalments by \$95,258.10.

Statement "C" shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1933, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.* For further reference to this informative statement, consult the special introduction to it on page 406.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1933, for domestic service, for commercial light service and for power service.

*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

NOTE: In 1933-34, the Ontario Municipal Electric Association requested information respecting the remuneration paid certain members of the staff, and in this connection it was stated that for this year the information would be placed in the Municipal section of the Annual Report.

The Commission retains out of the salary of its employees an amount to provide for Pension and Insurance. After such deduction the present (1933-1934) yearly remuneration to the following members of the staff as requested is:—F. A. Gaby, \$29,070.00; I. B. Lucas, \$10,895.04; W. W. Pope, \$8,707.44; T. H. Hogg, \$13,520.04; E. T. J. Brandon, \$12,470.04; R. T. Jeffery, \$10,895.04; W. R. Robertson, \$6,695.04; H. C. Don Carlos, \$10,895.04; W. G. Pierdon, \$10,895.04; A. E. Davison, \$5,532.72; W. P. Dobson, \$6,170.04; B. O. Salter, \$5,090.04; A. V. Trimble, \$10,695.00; A. V. White, \$9,142.08. The present remuneration of the Chairman is \$13,175.04 and Commissioners \$7,975.08.

CONSOLIDATED

| YEAR..... | 1913 | 1914 | 1915 |
|---|---------------|---------------|---------------|
| Number of municipalities included..... | 45 | 69 | 99 |
| ASSETS | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 626,707.34 | 791,732.20 | 873,838.18 |
| Substation equipment..... | 1,090,875.69 | 1,476,087.84 | 1,582,062.56 |
| Distribution system—overhead..... | 2,690,834.74 | 3,422,763.93 | 4,234,626.05 |
| Distribution system—underground..... | 644,514.24 | 807,153.53 | 928,420.77 |
| Line transformers..... | 615,546.20 | 787,613.52 | 981,754.70 |
| Meters..... | 840,606.64 | 1,172,475.11 | 1,418,165.08 |
| Street lighting equipment—regular..... | 900,614.80 | 1,071,255.37 | 1,309,628.49 |
| Street lighting equipment—ornamental.. | 62,765.34 | 270,386.55 | 197,644.82 |
| Miscellaneous construction expenses.... | 866,551.89 | 2,062,035.90 | 1,701,182.66 |
| Steam or hydraulic plant..... | 1,401,175.28 | 420,108.33 | 461,651.60 |
| Old plant..... | 341,277.00 | 619,513.12 | 1,184,372.86 |
| Total plant..... | 10,081,469.16 | 12,901,125.40 | 14,873,347.77 |
| Bank and cash balance..... | 450,887.97 | 422,350.12 | 284,653.96 |
| Securities and investments..... | | | |
| Accounts receivable..... | 344,487.95 | 561,873.08 | 602,920.69 |
| Inventories..... | 540,274.58 | 615,226.76 | 726,556.76 |
| Sinking fund on local debentures..... | 431,747.27 | 625,217.03 | 868,983.78 |
| Equity in H-E-P.C. systems..... | | | |
| Other assets..... | 58,959.93 | 123,410.97 | 326,801.11 |
| Total assets..... | 11,907,826.86 | 15,249,203.36 | 17,683,264.07 |
| LIABILITIES | | | |
| Debenture balance..... | 8,711,308.37 | 10,678,078.36 | 11,831,811.03 |
| Accounts payable..... | 1,553,711.45 | 1,682,150.29 | 2,040,038.01 |
| Bank overdraft..... | 160,919.16 | 228,622.50 | 292,106.44 |
| Other liabilities..... | 42,412.81 | 113,838.66 | 37,388.31 |
| Total liabilities..... | 10,468,351.79 | 12,702,689.81 | 14,201,343.79 |
| RESERVES | | | |
| For equity in H-E-P.C. systems..... | | | |
| For depreciation..... | 478,145.88 | 850,618.07 | 1,337,739.73 |
| Other reserves..... | | | |
| Total reserves..... | 478,145.88 | 850,618.07 | 1,337,739.73 |
| SURPLUS | | | |
| Debentures paid..... | 202,751.26 | 320,129.10 | 394,466.22 |
| Local sinking fund..... | 431,747.27 | 625,217.03 | 868,983.78 |
| Operating surplus..... | 326,830.66 | 750,549.35 | 880,730.55 |
| Total surplus..... | 961,329.19 | 1,695,895.48 | 2,144,180.55 |
| Total liabilities, reserves and surplus.. | 11,907,826.86 | 15,249,203.36 | 17,683,264.07 |
| Percentage of net debt to total assets.. | 88.0 | 88.3 | 80.3 |

NOTE.—In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in H-E-P.C. systems are excluded from assets, and total liabilities are reduced by amount of local sinking fund.

BALANCE SHEET

| 1916 | 1917 | 1918 | 1919 | 1920 | 1921 |
|---------------|---------------|---------------|---------------|---------------|---------------|
| 128 | 143 | 166 | 191 | 195 | 215 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,335,936.33 | 1,546,241.41 | 1,859,888.69 | 1,995,545.83 | 2,175,568.24 | 3,230,985.63 |
| 1,934,626.12 | 2,471,293.82 | 2,820,488.70 | 2,915,125.56 | 3,231,050.80 | 5,403,689.90 |
| 4,832,353.27 | 6,090,073.42 | 6,627,237.39 | 7,445,820.31 | 8,579,881.49 | 8,397,361.48 |
| 1,095,709.62 | 1,157,059.90 | 1,216,288.59 | 1,206,296.88 | 1,313,369.29 | 1,401,135.97 |
| 1,179,132.07 | 1,483,839.44 | 1,772,691.35 | 2,073,113.45 | 2,560,581.59 | 3,077,649.83 |
| 1,711,299.49 | 1,999,095.48 | 2,238,143.70 | 2,587,566.32 | 3,053,135.20 | 3,552,076.79 |
| 1,251,057.13 | 1,237,734.69 | 1,200,625.65 | 1,206,638.71 | 1,269,006.98 | 1,335,997.13 |
| 306,388.95 | 361,975.74 | 531,502.61 | 546,497.68 | 557,678.13 | 610,586.70 |
| 2,059,263.42 | 2,184,015.84 | 2,395,096.50 | 2,530,101.08 | 2,697,636.12 | 3,030,134.16 |
| 864,500.01 | 896,753.20 | 214,575.75 | 986,200.57 | 757,194.47 | 704,848.46 |
| 759,748.66 | 649,852.51 | 1,476,413.00 | 805,959.89 | 864,298.39 | 912,388.55 |
| 17,330,015.07 | 20,077,935.45 | 22,352,951.93 | 24,298,866.28 | 27,059,400.70 | 31,656,854.60 |
| 1,061,029.90 | 340,026.50 | 391,194.91 | 462,437.23 | 943,858.12 | 900,842.34 |
| 695,152.23 | 1,285,097.33 | 1,124,018.44 | 627,076.53 | 341,855.88 | 477,678.69 |
| 764,504.59 | 1,261,398.36 | 972,996.96 | 1,921,166.69 | 2,022,538.88 | 2,155,788.62 |
| 1,166,017.73 | 1,337,578.96 | 1,663,298.05 | 1,032,569.75 | 1,400,671.89 | 1,504,596.28 |
| 342,215.87 | 125,240.05 | 444,787.63 | 1,925,455.77 | 2,244,004.34 | 2,541,718.35 |
| 21,358,935.39 | 24,427,276.65 | 26,949,247.92 | 369,071.89 | 577,584.06 | 795,570.51 |
| | | | 86,216.05 | 25,447.07 | 78,929.84 |
| 15,058,641.57 | 15,593,773.61 | 17,209,217.70 | 30,722,860.19 | 34,615,360.94 | 40,111,979.23 |
| 969,187.75 | 1,537,669.11 | 1,007,727.79 | | | |
| 178,413.26 | 886,177.94 | 576,816.49 | 18,133,462.44 | 19,268,072.04 | 21,619,220.99 |
| 491,874.90 | 429,104.20 | 350,013.21 | 1,420,926.66 | 1,840,137.54 | 1,887,567.93 |
| 16,698,117.48 | 18,446,724.86 | 19,143,775.19 | 403,235.57 | 514,671.99 | 989,099.98 |
| | | | 670,271.90 | 642,293.65 | 938,368.84 |
| 1,843,804.68 | 2,463,723.83 | 3,133,550.17 | 373,871.89 | 577,584.06 | 800,249.05 |
| | | | 3,750,162.28 | 4,788,645.03 | 5,491,858.93 |
| 1,843,804.68 | 2,463,723.83 | 3,133,550.17 | 4,124,034.17 | 5,366,229.09 | 6,292,107.98 |
| 549,778.59 | 694,797.90 | 920,076.56 | 1,328,657.68 | 1,440,156.52 | 1,860,079.53 |
| 1,165,785.94 | 1,340,615.38 | 1,662,602.69 | 1,754,020.37 | 2,246,474.47 | 2,541,718.35 |
| 1,101,448.70 | 1,481,414.68 | 2,089,243.31 | 2,888,251.40 | 3,297,325.64 | 3,983,815.63 |
| 2,817,013.23 | 3,516,827.96 | 4,671,922.56 | 5,970,929.45 | 6,983,956.63 | 8,385,613.51 |
| 21,358,935.39 | 24,427,276.65 | 26,949,247.92 | 30,722,860.19 | 34,615,360.94 | 40,111,979.23 |
| 78.4 | 75.5 | 71.0 | 67.9 | 65.4 | 64.7 |

CONSOLIDATED

| YEAR..... | 1922 | 1923 | 1924 |
|---|---------------|---------------|---------------|
| Number of municipalities included..... | 226 | 235 | 248 |
| ASSETS | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 3,334,522.68 | 4,488,054.93 | 4,561,648.92 |
| Substation equipment..... | 5,046,857.98 | 6,015,919.75 | 6,800,238.00 |
| Distribution system—overhead..... | 11,165,330.24 | 13,135,581.76 | 14,182,190.33 |
| Distribution system—underground..... | 1,598,053.02 | 1,959,120.41 | 2,873,446.13 |
| Line transformers..... | 3,618,684.73 | 4,211,655.89 | 4,456,669.02 |
| Meters..... | 4,033,689.52 | 4,548,933.73 | 5,149,629.71 |
| Street lighting equipment—regular..... | 1,419,016.05 | 1,061,473.85 | 1,134,491.77 |
| Street lighting equipment—ornamental.. | 666,084.50 | 708,431.22 | 728,298.08 |
| Miscellaneous construction expenses.... | 3,261,495.74 | 3,681,274.88 | 4,168,262.21 |
| Steam or hydraulic plant..... | 565,158.54 | 566,619.86 | 4,196,803.45 |
| Old plant..... | 7,997,947.87 | 8,051,496.28 | 5,587,420.31 |
| Total plant..... | 42,706,840.87 | 48,428,562.56 | 53,839,097.93 |
| Bank and cash balance..... | 1,164,336.24 | 1,276,140.06 | 1,748,912.34 |
| Securities and investments..... | 443,938.18 | 1,153,424.47 | 1,329,622.58 |
| Accounts receivable..... | 3,874,317.14 | 3,198,769.34 | 3,898,751.89 |
| Inventories..... | 1,738,795.96 | 1,819,711.62 | 1,745,628.16 |
| Sinking fund on local debentures..... | 3,416,231.45 | 3,896,261.28 | 4,520,723.06 |
| Equity in H-E.P.C. systems..... | 1,543,434.12 | 2,929,603.94 | 5,420,567.58 |
| Other assets..... | 238,940.13 | 190,071.63 | 250,292.77 |
| Total assets..... | 55,126,834.09 | 62,892,544.90 | 72,753,596.31 |
| LIABILITIES | | | |
| Debenture balance..... | 30,454,186.12 | 33,056,501.29 | 38,005,162.50 |
| Accounts payable..... | 3,699,292.52 | 3,708,781.76 | 3,117,224.08 |
| Bank overdraft..... | 456,706.69 | 680,714.59 | 162,100.71 |
| Other liabilities..... | 586,203.02 | 1,517,828.47 | 1,780,564.27 |
| Total liabilities..... | 35,196,388.35 | 38,963,826.11 | 43,065,051.56 |
| RESERVES | | | |
| For equity in H-E.P.C. systems..... | 1,543,434.12 | 2,929,603.94 | 5,420,567.58 |
| For depreciation..... | 6,512,813.92 | 7,328,858.69 | 8,097,834.68 |
| Other reserves..... | | | |
| Total reserves..... | 8,056,248.04 | 10,258,462.63 | 13,518,402.26 |
| SURPLUS | | | |
| Debentures paid..... | 3,104,591.15 | 2,852,038.38 | 3,530,610.35 |
| Local sinking fund..... | 3,416,231.45 | 3,896,261.28 | 4,520,723.06 |
| Operating surplus..... | 5,353,375.10 | 6,921,956.50 | 8,118,809.08 |
| Total surplus..... | 11,874,197.70 | 13,670,256.16 | 16,170,142.49 |
| Total liabilities, reserves and surplus.... | 55,126,834.09 | 62,892,544.90 | 72,753,596.31 |
| Percentage of net debt to total assets.... | 63.3 | 62.6 | 61.4 |

BALANCE SHEET—Continued

| 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
|---------------|---------------|---------------|---------------|----------------|----------------|
| 247 | 251 | 252 | 256 | 260 | 267 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 5,768,855.99 | 6,111,162.54 | 6,486,476.89 | 7,024,646.76 | 7,469,451.46 | 7,936,974.31 |
| 8,543,166.55 | 9,505,501.77 | 15,088,905.14 | 16,866,186.21 | 18,102,792.13 | 19,485,056.28 |
| 16,837,535.57 | 18,654,240.54 | 16,689,462.41 | 17,688,050.68 | 18,108,016.82 | 19,220,326.48 |
| 3,388,837.09 | 3,689,569.95 | 3,278,382.58 | 3,559,288.16 | 4,823,369.60 | 4,932,189.05 |
| 5,079,754.23 | 5,538,605.24 | 5,985,521.37 | 6,549,674.64 | 7,312,742.17 | 7,953,090.23 |
| 5,533,483.92 | 5,963,162.51 | 6,346,660.59 | 6,839,802.90 | 7,405,478.91 | 7,840,948.07 |
| 1,256,916.53 | 1,309,608.30 | 1,399,314.06 | 1,486,646.24 | 1,594,183.25 | 1,780,785.67 |
| 893,186.48 | 1,103,660.23 | 1,184,035.82 | 1,203,706.65 | 1,458,349.64 | 1,520,891.01 |
| 4,485,110.96 | 3,456,777.71 | 3,360,671.09 | 3,394,626.92 | 3,483,487.78 | 3,996,747.77 |
| 568,912.49 | 628,909.57 | 607,320.00 | 619,880.93 | 489,097.57 | 139,587.28 |
| 4,549,142.46 | 4,655,422.59 | 5,095,555.90 | 5,032,089.26 | 5,093,378.75 | 5,322,690.14 |
| 56,904,902.27 | 60,616,620.95 | 65,522,255.85 | 70,264,599.35 | 75,340,348.08 | 80,129,286.29 |
| 1,700,145.30 | 2,136,290.79 | 3,014,832.48 | 1,342,367.07 | 858,733.68 | 2,722,250.12 |
| 1,095,662.92 | 1,400,316.43 | 1,696,237.66 | 1,837,140.51 | 2,001,088.81 | 1,909,439.11 |
| 3,417,558.86 | 3,508,817.87 | 3,715,770.72 | 4,097,446.13 | 4,683,201.97 | 4,481,006.92 |
| 1,711,504.13 | 1,397,667.83 | 1,412,729.41 | 1,220,186.10 | 1,365,033.58 | 1,242,994.51 |
| 5,202,451.70 | 5,599,675.01 | 6,398,909.77 | 7,071,273.69 | 7,753,613.88 | 8,396,255.47 |
| 7,551,588.70 | 8,046,868.53 | 10,143,205.66 | 12,326,097.56 | 14,754,865.40 | 17,346,372.44 |
| 137,280.05 | 33,151.81 | 31,942.45 | 153,275.04 | 152,260.86 | 173,030.05 |
| 77,721,093.93 | 82,739,409.22 | 91,935,884.00 | 9,8312,385.45 | 106,909,146.26 | 116,400,634.91 |
| 37,919,225.01 | 39,602,533.48 | 42,891,361.57 | 42,597,175.78 | 42,930,127.74 | 45,091,808.06 |
| 3,139,067.92 | 3,118,684.78 | 2,988,621.90 | 3,074,634.25 | 3,132,145.03 | 3,001,186.21 |
| 226,147.82 | 163,725.53 | 252,362.52 | 253,143.81 | 412,056.69 | 405,663.14 |
| 1,075,914.83 | 1,087,795.08 | 1,154,810.24 | 1,258,610.23 | 1,621,378.17 | 1,642,771.59 |
| 42,360,355.58 | 43,972,738.87 | 47,287,156.23 | 47,183,564.07 | 48,095,707.63 | 50,141,429.00 |
| 7,551,588.70 | 8,046,868.53 | 10,143,205.66 | 12,326,097.56 | 14,754,865.40 | 17,346,372.44 |
| 8,699,437.68 | 9,360,322.27 | 10,319,889.05 | 11,140,795.68 | 11,911,154.49 | 12,885,387.51 |
| 1,157,147.20 | 947,970.23 | 1,002,916.69 | 1,117,257.63 | 1,437,371.26 | 1,574,655.74 |
| 17,408,173.58 | 18,355,161.03 | 21,466,011.40 | 24,584,150.87 | 28,103,391.15 | 31,806,415.69 |
| 4,440,138.34 | 5,493,879.83 | 6,648,767.38 | 7,928,907.61 | 9,194,253.59 | 10,728,279.15 |
| 5,202,451.70 | 5,599,675.01 | 6,398,909.77 | 7,071,273.69 | 7,962,121.20 | 8,396,255.47 |
| 8,309,974.73 | 9,317,954.48 | 10,135,039.22 | 11,544,489.21 | 13,553,672.69 | 15,328,255.60 |
| 17,952,564.77 | 20,411,509.32 | 23,182,716.37 | 26,544,670.51 | 30,710,047.48 | 34,452,790.22 |
| 77,721,093.93 | 82,739,409.22 | 91,935,884.00 | 98,312,385.45 | 106,909,146.26 | 116,400,634.91 |
| 57.2 | 55.5 | 54.2 | 50.8 | 47.8 | 46.0 |

CONSOLIDATED BALANCE SHEET—Concluded

| YEAR..... | 1931 | 1932 | 1933 |
|--|----------------|----------------|----------------|
| Number of municipalities included..... | 275 | 280 | 282 |
| ASSETS | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 8,407,664.48 | 9,503,743.78 | 10,186,471.28 |
| Substation equipment..... | 21,013,956.74 | 22,288,781.68 | 22,306,800.94 |
| Distribution system—overhead..... | 19,918,355.76 | 20,866,767.32 | 21,152,681.20 |
| Distribution system—underground..... | 5,361,627.24 | 5,820,056.75 | 5,945,225.61 |
| Line transformers..... | 8,649,875.07 | 9,392,662.62 | 9,478,605.14 |
| Meters..... | 8,106,202.88 | 8,403,251.67 | 8,514,165.03 |
| Street lighting equipment—regular..... | 2,205,613.18 | 2,257,618.20 | 2,381,599.40 |
| Street lighting equipment—ornamental..... | 1,456,742.91 | 1,545,354.93 | 1,458,443.68 |
| Miscellaneous construction expenses..... | 3,827,132.05 | 4,120,926.11 | 4,040,859.74 |
| Steam or hydraulic plant..... | 458,374.05 | 498,231.69 | 502,978.62 |
| Old plant..... | 7,146,437.96 | 4,989,654.97 | 5,016,755.92 |
| Other plants not distributed..... | | 200,000.00 | 200,000.00 |
| Total plant..... | 86,551,982.32 | 89,887,049.72 | 91,184,586.56 |
| Bank and cash balance..... | 2,738,319.67 | 3,185,442.00 | 1,696,489.24 |
| Securities and investments..... | 1,999,846.42 | 2,059,325.10 | 2,163,785.20 |
| Accounts receivable..... | 3,957,972.78 | 3,683,059.42 | 3,746,910.92 |
| Inventories..... | 1,276,531.01 | 1,232,209.52 | 1,226,043.30 |
| Sinking fund on local debentures..... | 8,735,050.84 | 9,099,210.61 | 9,386,176.58 |
| Equity in H-E.P.C. systems..... | 20,103,275.76 | 23,066,129.81 | 26,045,679.00 |
| Other assets..... | 174,879.28 | 163,637.79 | 253,581.84 |
| Total assets..... | 125,537,858.08 | 132,376,063.97 | 135,703,252.64 |
| LIABILITIES | | | |
| Debenture balance..... | 44,594,400.03 | 45,133,305.97 | 42,606,145.29 |
| Accounts payable..... | 5,382,306.13 | 3,512,724.58 | 3,320,485.45 |
| Bank overdraft..... | 312,575.54 | 298,910.20 | 206,398.00 |
| Other liabilities..... | 1,909,986.13 | 3,740,376.11 | 3,787,725.14 |
| Total liabilities..... | 52,199,267.83 | 52,685,316.86 | 49,920,753.88 |
| RESERVES | | | |
| For equity in H-E.P.C. systems..... | 20,103,275.76 | 23,066,129.81 | 26,045,679.00 |
| For depreciation..... | 13,748,049.68 | 14,902,177.02 | 16,075,959.28 |
| Other reserves..... | 1,693,129.83 | 1,902,308.64 | 2,048,081.84 |
| Total reserves..... | 35,544,455.27 | 39,870,615.47 | 44,169,720.12 |
| SURPLUS | | | |
| Debentures paid..... | 13,150,040.37 | 15,244,778.28 | 17,651,367.71 |
| Local sinking fund..... | 8,735,050.84 | 9,099,210.61 | 9,386,176.58 |
| Operating surplus..... | 15,909,043.77 | 15,476,142.75 | 14,575,234.35 |
| Total surplus..... | 37,794,134.98 | 39,820,131.64 | 41,612,778.64 |
| Total liabilities, reserves and surplus..... | 125,537,858.08 | 132,376,063.97 | 135,703,252.64 |
| Percentage of net debt to total assets..... | 44.1 | 43.4 | 39.5 |

NOTE.—In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in H-E.P.C. systems are excluded from assets, and total liabilities are reduced by the amount of local sinking fund.

CONSOLIDATED OPERATING REPORT

| YEAR..... | 1912 | 1913 | 1914 | 1915 |
|--|--------------|--------------|--------------|--------------|
| Number of municipalities included | 28 | 45 | 69 | 99 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | | 572,154.38 | 789,130.81 | 944,271.08 |
| Commercial light service..... | | 525,438.16 | 673,803.92 | 720,209.26 |
| Commercial power service..... | | 905,378.17 | 1,214,829.31 | 1,501,797.78 |
| Municipal power..... | | | | |
| Street lighting..... | | 560,925.56 | 698,409.71 | 835,970.87 |
| Rural service..... | | | | |
| Miscellaneous..... | | 53,543.24 | 57,482.41 | 68,046.29 |
| Total earnings..... | 1,617,674.00 | 2,617,439.51 | 3,433,656.16 | 4,070,295.28 |
| EXPENSES | | | | |
| Power purchased..... | | 789,632.87 | 1,045,752.65 | 1,484,666.00 |
| Substation operation..... | | 78,394.81 | 97,658.90 | 107,607.31 |
| Substation maintenance..... | | 18,698.46 | 31,790.99 | 25,935.56 |
| Distribution system, operation and maintenance..... | | 104,114.51 | 130,998.65 | 154,409.71 |
| Line transformer maintenance..... | | 8,547.61 | 11,764.32 | 11,508.92 |
| Meter maintenance..... | | 5,222.19 | 9,536.07 | 12,899.14 |
| Consumers' premises expenses..... | | 53,108.38 | 65,192.23 | 47,494.26 |
| Street lighting, operation and maintenance..... | | 84,903.76 | 113,047.80 | 136,983.38 |
| Promotion of business..... | | 72,303.51 | 86,683.02 | 74,402.55 |
| Billing and collecting..... | | 77,351.76 | 103,560.71 | 131,541.27 |
| General office, salaries and expenses..... | | 154,932.69 | 230,899.75 | 236,777.86 |
| Undistributed expense..... | | 65,423.64 | 89,350.91 | 129,209.15 |
| Interest..... | | 528,549.21 | 662,092.34 | 817,978.89 |
| Sinking fund and principal payments on debentures..... | | * | * | * |
| Total expenses..... | 1,377,168.00 | 2,041,183.40 | 2,678,328.34 | 3,371,414.00 |
| Surplus..... | 240,506.00 | 576,256.11 | 755,327.82 | 698,881.28 |
| Depreciation charge..... | 124,992.47 | 262,675.24 | 357,883.31 | 414,506.99 |
| Surplus less deprecation..... | 115,513.53 | 313,580.87 | 397,444.51 | 284,374.29 |

*Debenture payments included in "Interest."

CONSOLIDATED

| YEAR..... | 1916 | 1917 | 1918 |
|--|--------------|--------------|--------------|
| Number of municipalities included | 128 | 143 | 166 |
| EARNINGS | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 1,172,878.96 | 1,417,460.31 | 1,632,272.12 |
| Commercial light service..... | 812,130.78 | 899,023.72 | 968,399.42 |
| Commercial power service..... | 1,921,152.31 | 2,665,280.65 | 3,417,248.37 |
| Municipal power..... | | | |
| Street lighting..... | 930,057.48 | 967,495.10 | 902,875.55 |
| Rural service..... | | | |
| Miscellaneous..... | 147,381.50 | 120,805.39 | 161,243.70 |
| Total earnings..... | 4,983,601.03 | 6,070,065.17 | 7,082,039.16 |
| EXPENSES | | | |
| Power purchased..... | 1,959,446.83 | 2,573,879.37 | 2,807,769.33 |
| Substation operation..... | 153,761.08 | 203,091.20 | 238,257.34 |
| Substation maintenance..... | 46,131.53 | 42,129.04 | 60,805.92 |
| Distribution system, operation and maintenance..... | 154,247.17 | 169,326.24 | 223,347.81 |
| Line transformer maintenance..... | 14,528.17 | 25,328.95 | 30,488.83 |
| Meter maintenance..... | 24,218.48 | 44,461.55 | 63,155.56 |
| Consumers' premises expenses..... | 52,602.01 | 61,765.14 | 65,149.59 |
| Street lighting, operation and maintenance..... | 145,471.50 | 157,857.73 | 196,157.18 |
| Promotion of business..... | 79,324.85 | 73,516.37 | 64,962.78 |
| Billing and collecting..... | 154,508.58 | 188,083.84 | 208,660.76 |
| General office, salaries and expenses..... | 306,709.35 | 349,932.05 | 421,680.15 |
| Undistributed expense..... | 97,333.97 | 102,938.80 | 117,474.07 |
| Interest..... | 951,781.99 | 1,085,180.80 | 1,238,425.53 |
| Sinking fund and principal payments on debentures..... | * | * | * |
| Total expenses..... | 4,140,065.51 | 5,077,491.08 | 5,736,334.85 |
| Surplus..... | 843,535.52 | 992,574.09 | 1,345,704.31 |
| Depreciation charge..... | 486,141.80 | 607,296.29 | 718,162.30 |
| Surplus less depreciation..... | 357,393.72 | 385,277.80 | 627,542.01 |

*Debenture payments included in "Interest."

OPERATING REPORT—Continued

| 1919 | 1920 | 1921 | 1922 | 1923 | 1924 |
|--------------|--------------|---------------|---------------|---------------|---------------|
| 181 | 186 | 205 | 214 | 224 | 241 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,991,632.31 | 2,546,345.30 | 3,149,080.03 | 3,786,608.23 | 5,166,452.24 | 5,993,231.07 |
| 1,175,143.56 | 1,512,854.63 | 1,851,501.76 | 2,158,306.34 | 3,260,772.50 | 3,566,227.22 |
| 3,443,107.13 | 3,752,188.22 | 3,895,437.46 | 4,383,912.97 | 5,927,666.37 | 6,222,865.88 |
| ..... | 532,279.09 | 654,531.01 | 973,263.38 | 1,161,598.60 | 1,352,966.47 |
| 988,900.95 | 1,005,535.11 | 1,060,357.77 | 1,160,446.81 | 1,269,604.48 | 1,356,668.97 |
| ..... | 168,919.95 | 145,566.57 | 105,877.09 | 116,639.06 | 75,100.24 |
| 228,270.65 | 189,778.63 | 225,467.70 | 187,689.39 | 316,311.21 | 231,663.58 |
| 7,827,054.60 | 9,707,900.93 | 10,981,942.30 | 12,756,104.21 | 17,219,044.46 | 18,798,723.43 |
| 3,284,490.68 | 4,216,667.87 | 4,876,650.31 | 6,636,853.37 | 8,699,026.67 | 9,669,789.40 |
| 217,638.89 | 285,407.35 | 314,838.35 | 315,443.70 | 474,442.13 | 430,056.09 |
| 81,853.63 | 102,050.81 | 104,798.01 | 100,763.67 | 133,815.53 | 202,050.04 |
| 286,310.76 | 344,551.57 | 487,918.33 | 519,252.16 | 636,477.41 | 648,700.62 |
| 42,509.12 | 46,323.09 | 65,088.46 | 52,932.26 | 75,920.10 | 82,936.50 |
| 78,726.64 | 123,701.18 | 116,722.97 | 107,806.88 | 139,104.81 | 141,231.23 |
| 84,301.24 | 116,283.52 | 134,854.92 | 143,388.88 | 218,682.02 | 237,316.20 |
| 215,963.86 | 236,930.79 | 297,481.52 | 297,363.86 | 299,579.08 | 269,973.30 |
| 74,789.22 | 78,294.85 | 101,804.46 | 129,932.63 | 184,371.00 | 202,060.74 |
| 236,504.75 | 295,942.88 | 321,685.71 | 338,153.50 | 444,306.92 | 490,273.30 |
| 452,131.22 | 559,695.29 | 656,268.11 | 605,852.50 | 937,463.47 | 889,907.66 |
| 190,690.09 | 256,400.33 | 308,874.42 | 385,895.03 | 359,206.91 | 494,078.50 |
| 1,285,571.51 | 1,431,807.16 | 998,611.47 | 1,074,657.44 | 1,615,205.16 | 1,779,991.26 |
| * | * | 532,183.96 | 635,469.90 | 990,907.14 | 1,122,798.87 |
| 6,531,481.61 | 8,094,056.69 | 9,317,781.00 | 11,343,765.78 | 15,208,508.35 | 16,661,163.71 |
| 1,295,572.99 | 1,613,844.24 | 1,664,161.30 | 1,412,338.43 | 2,010,536.11 | 2,137,559.72 |
| 814,219.37 | 902,028.75 | 1,044,434.85 | 715,814.24 | 916,782.75 | 973,649.62 |
| 481,353.62 | 711,815.49 | 619,726.45 | 696,524.19 | 1,093,753.36 | 1,163,910.10 |

CONSOLIDATED

| YEAR..... | 1925 | 1926 | 1927 |
|--|---------------|---------------|---------------|
| Number of municipalities included..... | 242 | 248 | 251 |
| EARNINGS | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 6,439,159.86 | 7,372,602.62 | 8,189,866.89 |
| Commercial light service..... | 3,866,292.79 | 4,187,899.19 | 4,626,815.51 |
| Commercial power service..... | 6,568,854.77 | 6,789,217.54 | 7,342,173.20 |
| Municipal power..... | 1,923,093.09 | 1,922,512.34 | 1,913,502.88 |
| Street lighting..... | 1,415,382.22 | 1,457,686.21 | 1,489,242.37 |
| Rural service..... | 37,975.18 | 37,810.73 | 13,765.72 |
| Miscellaneous..... | 286,451.08 | 471,134.15 | 581,913.04 |
| Total earnings..... | 20,537,208.99 | 22,238,862.78 | 24,157,279.61 |
| EXPENSES | | | |
| Power purchased..... | 11,063,123.34 | 12,185,669.10 | 13,505,583.77 |
| Substation operation..... | 417,921.71 | 450,416.84 | 430,211.76 |
| Substation maintenance..... | 207,497.63 | 286,520.37 | 275,148.86 |
| Distribution system, operation and maintenance..... | 686,344.54 | 795,514.70 | 758,747.10 |
| Line transformer maintenance..... | 75,473.28 | 74,876.11 | 94,706.38 |
| Meter maintenance..... | 156,909.55 | 189,603.70 | 214,813.87 |
| Consumers' premises expenses..... | 252,808.47 | 275,020.62 | 285,352.68 |
| Street lighting, operation and maintenance..... | 275,316.60 | 295,869.37 | 318,395.79 |
| Promotion of business..... | 217,102.24 | 234,696.74 | 220,687.60 |
| Billing and collecting..... | 521,134.01 | 557,271.54 | 605,627.58 |
| General office, salaries and expenses.... | 891,640.29 | 786,742.60 | 824,868.90 |
| Undistributed expense..... | 520,584.58 | 460,288.30 | 531,003.80 |
| Truck operation and maintenance..... | | | |
| Interest..... | 1,889,810.95 | 1,985,233.73 | 2,063,698.00 |
| Sinking fund and principal payments on debentures..... | 1,294,027.29 | 1,347,511.92 | 1,505,626.31 |
| Total expenses..... | 18,469,694.48 | 19,925,235.64 | 21,634,472.40 |
| Surplus..... | 2,067,514.51 | 2,313,627.14 | 2,522,807.21 |
| Depreciation charge..... | 1,068,880.42 | 1,146,273.05 | 1,249,711.65 |
| Surplus less depreciation..... | 998,634.09 | 1,167,354.09 | 1,273,095.56 |

OPERATING REPORT—Concluded

| 1928 | 1929 | 1930 | 1931 | 1932 | 1933 |
|---------------|---------------|---------------|---------------|---------------------|----------------------|
| 255 | 259 | 267 | 275 | 280 | 282 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,925,050.56 | 9,873,681.57 | 10,542,903.89 | 10,972,952.10 | 11,447,307.85 | 11,429,101.13 |
| 5,182,723.32 | 5,697,766.06 | 5,961,383.23 | 6,230,475.89 | 6,243,794.01 | 6,013,025.96 |
| 8,298,669.44 | 9,376,158.74 | 9,340,653.28 | 9,456,224.97 | 9,356,693.88 | 9,080,522.07 |
| 1,921,300.97 | 2,086,444.24 | 2,111,482.38 | 1,967,118.54 | 1,859,585.35 | 1,826,872.07 |
| 1,534,476.98 | 1,598,262.43 | 1,674,528.03 | 1,746,855.24 | 1,783,972.46 | 1,779,582.48 |
| 48,451.90* | 51,590.54* | 28,954.60* | 29,446.38* | 11,069.27* | *12,812.74 |
| 465,791.92 | 522,780.95 | 581,914.78 | 511,139.80 | 513,787.30 | 485,925.43 |
| 26,376,465.09 | 29,206,684.53 | 30,241,820.19 | 30,914,212.92 | 31,216,210.12 | 30,627,841.88 |
| 14,688,570.08 | 16,379,162.88 | 17,323,077.97 | 18,085,166.51 | 19,109,036.25 | 19,330,861.58 |
| 420,512.48 | 461,270.27 | 479,502.48 | 487,484.17 | 503,351.82 | 484,764.57 |
| 247,647.88 | 274,275.56 | 320,716.48 | 303,536.11 | 300,186.15 | 288,583.29 |
| 736,159.85 | 907,817.04 | 991,972.86 | 1,015,256.14 | 969,750.61 | 895,350.99 |
| 88,676.18 | 93,608.14 | 96,746.35 | 93,463.24 | 95,485.55 | 82,321.32 |
| 218,530.96 | 242,126.27 | 278,379.43 | 284,633.88 | 300,104.85 | 283,115.98 |
| 291,333.03 | 314,495.03 | 317,902.45 | 363,078.47 | 368,208.73 | 361,499.20 |
| 329,597.16 | 359,373.40 | 372,211.17 | 368,119.49 | 360,709.76 | 353,082.15 |
| 249,842.01 | 250,844.28 | 249,070.05 | 255,956.03 | 266,760.84 | 259,936.42 |
| 638,797.02 | 695,729.42 | 745,159.02 | 792,983.99 | 818,721.33 | 817,660.03 |
| 844,578.55 | 904,025.64 | 907,226.89 | 923,676.84 | 960,558.88 | 908,517.79 |
| 542,755.34 | 502,206.06 | 523,862.96 | 520,893.10 | 436,692.96 | 349,101.36 |
| ..... | 110,630.62 | 112,029.82 | 107,918.93 | 112,059.90 | 105,452.68 |
| 2,111,049.49 | 2,152,695.49 | 2,220,214.45 | 2,328,094.32 | 2,532,940.93 | 2,426,286.35 |
| 1,601,711.32 | 1,687,201.64 | 1,828,061.62 | 2,061,718.79 | 2,244,367.86 | 2,319,319.09 |
| 23,009,761.35 | 25,335,461.74 | 26,766,134.00 | 27,991,980.01 | 29,378,936.42 | 31,254,853.21 |
| 3,366,703.74 | 3,871,222.79 | 3,475,686.19 | 2,922,232.91 | 1,837,273.70 | 1,361,989.08 |
| 1,350,252.16 | 1,469,846.83 | 1,574,991.68 | 1,775,330.69 | 1,920,896.22 | 1,989,000.41 |
| 2,016,451.58 | 2,401,375.96 | 1,900,694.51 | 1,146,902.22 | 83,622.52 (loss) | 627,011.33 (loss) |

*Profits from the sale of merchandise. Rural service now given in "Rural Power Districts." Consult Section IX.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM

| Municipality | Acton | Agincourt | Ailsa Craig 464 | Alvinston | Amherst- burg 3,086 |
|---|-----------|-----------|-----------------------|-----------|---------------------------|
| Population | 1,895 | P.V. | | 690 | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | 1,545.45 | | | 133.56 | |
| Substation equipment | 1,847.39 | | | | 932.00 |
| Distribution system—overhead | 23,482.38 | 8,481.56 | 8,174.03 | 14,008.12 | 33,614.83 |
| Distribution system—underground | | | | | |
| Line transformers | 11,302.83 | 3,686.18 | 1,946.95 | 3,024.48 | 15,917.83 |
| Meters | 10,472.15 | 2,479.55 | 2,571.67 | 2,972.37 | 15,219.85 |
| Street light equipment, regular | 1,880.04 | 767.19 | 404.09 | 1,090.62 | 812.44 |
| Street light equipment, ornamental | | | | | 5,598.72 |
| Miscellaneous construction expense | 2,620.49 | 104.85 | 492.36 | 791.52 | 1,600.27 |
| Steam or hydraulic plant | | | | | |
| Old plant | 3,481.50 | | | 773.85 | |
| Other plants not distributed | | | | | |
| Total plant | 56,632.23 | 15,519.33 | 13,589.10 | 22,794.52 | 73,695.94 |
| Bank and cash balance | 3,137.53 | 2,511.49 | 3,205.11 | 282.09 | 7,440.26 |
| Securities and investments | 1,500.00 | 1,000.00 | 5,000.00 | 2,000.00 | 1,898.30 |
| Accounts receivable | 592.60 | 1,139.69 | 39.15 | 456.09 | 2,437.20 |
| Inventories | 818.04 | 2.04 | | | |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 34,576.27 | 5,182.99 | 9,541.72 | 9,622.20 | 27,567.04 |
| Other assets | 589.02 | | | | 3,140.64 |
| Total assets | 97,845.69 | 25,355.54 | 31,375.08 | 35,154.90 | 116,179.38 |
| Deficit | | | | 3,814.05 | |
| Total | 97,845.69 | 25,355.54 | 31,375.08 | 38,968.95 | 116,179.38 |
| LIABILITIES | | | | | |
| Debenture balance | | 3,433.73 | | 12,450.39 | 25,176.10 |
| Accounts payable | 13.13 | 583.80 | 200.65 | 916.90 | |
| Bank overdraft | | | | | |
| Other liabilities | 542.09 | | 92.00 | | 7,144.27 |
| Total liabilities | 555.22 | 4,017.53 | 292.65 | 13,367.29 | 32,320.37 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 34,576.27 | 5,182.99 | 9,541.72 | 9,622.20 | 27,567.04 |
| For depreciation | 9,654.09 | 1,530.63 | 5,174.27 | 4,900.61 | 14,021.84 |
| Other reserves | | | | | |
| Total reserves | 44,230.36 | 6,713.62 | 14,715.99 | 14,522.81 | 41,588.88 |
| SURPLUS | | | | | |
| Debentures paid | 14,500.00 | 4,638.92 | 6,883.38 | 11,078.85 | 6,877.50 |
| Local sinking fund | | | | | |
| Operating surplus | 38,560.11 | 9,985.47 | 9,483.06 | | 35,392.63 |
| Total surplus | 53,060.11 | 14,624.39 | 16,366.44 | 11,078.85 | 42,270.13 |
| Total liabilities, reserves and surplus | 97,845.69 | 25,355.54 | 31,375.08 | 38,968.95 | 116,179.38 |
| Percentage of net debt to total assets | 0.8 | 19.9 | 1.3 | 52.4 | 32.2 |

"A"

Hydro Municipalities as at December 31, 1933

| Ancaster Twp. | Arkona 416 | Aylmer 1,989 | Ayr 768 | Baden P.V. | Beachville P.V. | Belle River 746 | Blenheim 1,690 |
|------------------|---------------|-----------------|------------|---------------|--------------------|-----------------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 15,858.22 | 9,559.67 | 20,733.69 | 12,440.57 | 7,474.60 | 13,922.72 | 16,266.23 | 25,681.74 |
| 10,236.49 | 1,976.44 | 10,356.91 | 3,850.56 | 4,048.22 | 3,550.21 | 3,651.15 | 8,123.02 |
| 4,202.68 | 1,549.36 | 9,591.53 | 3,580.79 | 2,872.74 | 3,142.06 | 3,683.98 | 9,116.00 |
| 1,269.78 | 671.60 | 1,723.79 | 628.42 | 447.45 | 423.23 | 924.29 | 3,367.96 |
| 324.93 | 225.47 | 1,130.33 | 941.79 | | 602.04 | 1,043.78 | 1,482.97 |
| | 1,030.30 | 6,719.17 | 4,002.53 | | | | 1,128.43 |
| 31,892.10 | 15,012.84 | 59,274.65 | 25,569.66 | 15,503.65 | 21,816.39 | 25,569.43 | 49,809.76 |
| | 88.03 | 1,314.13 | 57.93 | 3,831.00 | 522.43 | 3,631.25 | 4,343.02 |
| 1,761.46 | 176.18 | 12,000.00 | | | 4,000.00 | 3,000.00 | |
| | | 1,365.89 | 1,196.70 | | 722.31 | 744.16 | 692.65 |
| | | 60.62 | | | | | 30.34 |
| 8,321.47 | 2,948.25 | 22,779.10 | 8,153.15 | 19,259.17 | 23,913.36 | 5,164.20 | 21,191.34 |
| | 54.54 | | | | | | |
| 41,975.03 | 18,279.84 | 96,794.39 | 34,977.44 | 38,593.82 | 50,974.49 | 38,109.04 | 76,067.11 |
| | 1,561.01 | | | | | | |
| 41,975.03 | 19,840.85 | 96,794.39 | 34,977.44 | 38,593.82 | 50,974.49 | 38,109.04 | 76,067.11 |
| 7,921.48 | 9,736.09 | 20,208.85 | 6,948.52 | 2,102.21 | 2,286.51 | 5,454.34 | 8,527.23 |
| 425.70 | 2,410.16 | 99.83 | | 161.80 | | 158.04 | 1,789.88 |
| 1,659.51 | | | | | | | |
| 145.32 | | 108.00 | | | | 86.00 | 220.00 |
| 10,152.01 | 12,146.25 | 20,416.68 | 6,948.52 | 2,264.01 | 2,286.51 | 5,698.38 | 10,537.11 |
| 8,321.47 | 2,948.25 | 22,779.10 | 8,153.15 | 19,259.17 | 23,913.36 | 5,164.20 | 21,191.34 |
| 6,199.21 | 1,369.61 | 9,529.63 | 3,696.68 | 1,759.67 | 4,793.88 | 4,685.02 | 10,739.62 |
| | | 300.00 | | | | 5,000.00 | |
| 14,520.68 | 4,317.86 | 32,608.73 | 11,849.83 | 21,018.84 | 28,707.24 | 14,849.22 | 31,930.96 |
| 2,868.10 | 3,376.74 | 18,493.07 | 10,554.86 | 2,897.79 | 3,066.49 | 3,045.66 | 5,472.77 |
| 14,434.24 | | 25,275.91 | 5,624.23 | 12,413.18 | 16,914.25 | 14,515.78 | 28,126.27 |
| 17,302.34 | 3,376.74 | 43,768.98 | 16,179.09 | 15,310.97 | 19,980.74 | 17,561.44 | 33,599.04 |
| 41,975.03 | 19,840.85 | 96,794.39 | 34,977.44 | 38,593.82 | 50,974.49 | 38,109.04 | 76,067.11 |
| 30.1 | 79.2 | 27.5 | 25.9 | 11.7 | 8.4 | 17.3 | 16.9 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Blyth | Bolton | Bothwell | Brampton | Brantford |
|---|--------------|--------------|--------------|--------------|--------------|
| Population..... | 602 | 593 | 646 | 5,413 | 30,724 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | 5,081.32 | 85,595.31 |
| Substation equipment..... | | | | 24,742.53 | 162,884.45 |
| Distribution system—overhead... | 11,261.08 | 9,931.57 | 6,027.41 | 50,295.58 | 229,785.83 |
| Distribution system—underground | | | | | 6,000.00 |
| Line transformers..... | 2,441.35 | 4,296.34 | 2,575.37 | 28,005.83 | 112,926.91 |
| Meters..... | 1,945.31 | 2,958.86 | 2,819.97 | 26,131.27 | 115,872.40 |
| Street light equipment, regular... | 1,284.19 | 856.19 | 4,634.70 | 2,645.94 | 24,010.22 |
| Street light equipment, ornamental | | | | | 41,476.69 |
| Miscellaneous construction expense | 284.97 | 1,050.06 | 550.01 | 18,405.35 | 30,529.82 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 2,332.68 | 1,554.60 | | | |
| Other plants not distributed..... | | | | | 200,000.00 |
| Total plant..... | 19,549.58 | 20,647.62 | 16,607.46 | 155,307.82 | 1,009,081.63 |
| Bank and cash balance..... | 1,173.22 | 895.96 | 2,475.99 | 2,400.28 | |
| Securities and investments..... | | | 11,000.00 | 5,648.78 | |
| Accounts receivable..... | 1,009.53 | 704.36 | 82.04 | 1,100.49 | 23,077.31 |
| Inventories..... | | 22.41 | | 223.66 | 11,344.36 |
| Sinking fund on local debentures | | | | | 90,906.83 |
| Equity in H-E.P.C. systems..... | 4,935.50 | 10,636.75 | 11,113.15 | 93,084.35 | 473,680.24 |
| Other assets..... | | | | | 47,506.37 |
| Total assets..... | 26,667.83 | 32,907.10 | 41,278.64 | 257,765.38 | 1,655,596.74 |
| Deficit..... | | | | | |
| Total..... | 26,667.83 | 32,907.10 | 41,278.64 | 257,765.38 | 1,655,596.74 |
| LIABILITIES | | | | | |
| Debenture balance..... | 9,006.10 | 6,013.66 | 3,045.38 | 12,794.35 | 263,000.00 |
| Accounts payable..... | 100.31 | 52.00 | 226.32 | 1,842.74 | 6,587.33 |
| Bank overdraft..... | | | | | 11,241.61 |
| Other liabilities..... | 50.00 | | 1,161.22 | | 166,542.06 |
| Total liabilities..... | 9,156.41 | 6,065.66 | 4,432.92 | 14,637.09 | 447,371.00 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 4,935.50 | 10,636.75 | 11,113.15 | 93,084.35 | 473,680.24 |
| For depreciation..... | 2,774.77 | 4,997.25 | 5,755.07 | 42,919.03 | 203,667.20 |
| Other reserves..... | | | | 100.00 | 86,000.00 |
| Total reserves..... | 7,710.27 | 15,634.00 | 16,868.22 | 136,103.38 | 763,347.44 |
| SURPLUS | | | | | |
| Debentures paid..... | 7,262.93 | 6,486.34 | 2,488.81 | 56,256.29 | 267,000.00 |
| Local sinking fund..... | | | | | 90,906.83 |
| Operating surplus..... | 2,538.22 | 4,721.10 | 17,488.69 | 50,768.62 | 86,971.47 |
| Total surplus..... | 9,801.15 | 11,207.44 | 19,977.50 | 107,024.91 | 444,878.30 |
| Total liabilities, reserves and surplus | 26,667.83 | 32,907.10 | 41,278.64 | 257,765.38 | 1,655,596.74 |
| Percentage of net debt to total assets | 42.2 | 27.2 | 11.4 | 8.9 | 33.5 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Brantford Twp. | Bridgeport P.V. | Brigden P.V. | Brussels 770 | Burford P.V. | Burgess- ville P.V. | Caledonia 1,400 | Campbell- ville P.V. |
|-------------------|--------------------|-----------------|-----------------|-----------------|---------------------------|--------------------|----------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,192.71 | | 101.03 | | 202.00 | | | |
| 52,268.73 | 9,516.09 | 7,090.80 | 13,562.61 | 9,240.38 | 3,490.03 | 17,022.28 | 2,978.42 |
| 16,784.09 | 3,833.06 | 2,037.61 | 2,395.35 | 2,933.19 | 1,390.44 | 6,432.74 | 718.23 |
| 11,884.39 | 2,217.15 | 2,238.85 | 3,810.08 | 3,374.95 | 966.40 | 6,232.50 | 567.30 |
| 4,338.80 | 1,602.69 | 464.90 | 1,574.74 | 425.14 | 261.02 | 1,582.94 | 258.56 |
| 2,922.09 | 563.56 | 858.11 | 1,572.29 | 717.31 | 457.22 | 692.59 | 45.82 |
| | | 1,381.00 | 2,827.50 | | | | |
| 89,390.81 | 17,732.55 | 14,172.30 | 25,742.57 | 16,892.97 | 6,565.11 | 31,963.05 | 4,568.33 |
| 6,741.22 | 300.27 | 475.66 | 3,959.91 | 1,884.70 | 560.08 | 1,638.23 | 525.63 |
| 405.19 | 241.36 | 473.04 | 838.83 | 4,000.00 | | 2,000.00 | 1,000.00 |
| | | | 24.48 | 571.36 | 107.09 | 20.65 | 268.67 |
| 3,326.87 | | | | | | | |
| 15,720.56 | 2,607.10 | 7,049.89 | 6,968.52 | 7,656.25 | 3,190.64 | 12,346.64 | 860.46 |
| | | | | 25.00 | | | |
| 115,584.65 | 20,881.28 | 22,170.89 | 37,534.31 | 31,030.28 | 10,422.92 | 47,968.57 | 7,223.09 |
| 115,584.65 | 20,881.28 | 22,170.89 | 37,534.31 | 31,030.28 | 10,422.92 | 47,968.57 | 7,223.09 |
| 23,408.79 | 11,914.39 | 902.89 | 13,245.52 | 382.11 | 560.39 | 1,780.41 | 3,593.44 |
| 3,272.61 | 698.27 | | 1,847.51 | 4.60 | 220.22 | 701.06 | 33.14 |
| 1,443.25 | 40.00 | | | 25.00 | | | |
| 28,124.65 | 12,652.66 | 902.89 | 15,093.03 | 411.71 | 780.61 | 2,481.47 | 3,626.58 |
| 15,720.56 | 2,607.10 | 7,049.89 | 6,968.52 | 7,656.25 | 3,190.64 | 12,346.64 | 860.46 |
| 17,690.56 | 4,458.60 | 3,072.84 | 4,010.41 | 4,050.20 | 2,229.03 | 3,949.40 | 676.54 |
| | | | | | 85.41 | | |
| 33,411.12 | 7,065.70 | 10,122.73 | 10,978.93 | 11,706.45 | 5,505.08 | 16,296.04 | 1,537.00 |
| 33,716.87 | 453.64 | 7,097.11 | 7,754.48 | 8,617.89 | 2,939.61 | 2,843.59 | 1,854.33 |
| 3,326.87 | | | | | | | |
| 17,005.14 | 709.28 | 4,048.16 | 3,707.87 | 10,294.23 | 1,197.62 | 26,347.47 | 205.18 |
| 54,048.88 | 1,162.92 | 11,145.27 | 11,462.35 | 18,912.12 | 4,137.23 | 29,191.06 | 2,059.51 |
| 115,584.65 | 20,881.28 | 22,170.89 | 37,534.31 | 31,030.28 | 10,422.92 | 47,968.57 | 7,223.09 |
| 25.6 | 69.2 | 5.9 | 49.4 | 1.7 | 10.8 | 6.9 | 57.0 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Cayuga | Chatham | Chippawa | Clifford | Clinton |
|---|--------------|--------------|--------------|--------------|--------------|
| Population..... | 705 | 16,223 | 1,073 | 454 | 1,842 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 46,055.45 | 631.50 | | 8,760.82 |
| Substation equipment..... | | 116,587.41 | | | 7,544.43 |
| Distribution system—overhead... | 14,080.88 | 161,316.09 | 19,123.86 | 7,451.37 | 22,257.65 |
| Distribution system—underground | | 79,554.42 | | | |
| Line transformers..... | 3,162.29 | 86,934.79 | 6,107.56 | 1,161.99 | 7,787.65 |
| Meters..... | 2,704.35 | 67,774.93 | 4,702.80 | 2,195.08 | 9,334.88 |
| Street light equipment, regular... | 942.83 | 18,777.35 | 1,877.81 | 687.42 | 1,297.67 |
| Street light equipment, ornamental | | 35,426.10 | | | |
| Miscellaneous construction expense | 474.44 | 33,016.43 | 1,139.19 | 37.44 | 3,846.29 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 42,752.31 | | | 10,658.09 |
| Other plants not distributed..... | | | | | |
| Total plant..... | 21,364.79 | 688,195.28 | 33,582.72 | 11,533.30 | 71,487.48 |
| Bank and cash balance..... | 2,141.86 | 17,934.82 | 421.83 | 400.44 | 1,991.97 |
| Securities and investments..... | | | | | 3,000.00 |
| Accounts receivable..... | 389.17 | 18,793.38 | 253.38 | 131.53 | 1,276.61 |
| Inventories..... | 131.34 | 3,703.83 | | 20.40 | 2,230.83 |
| Sinking fund on local debentures..... | | | | | 32,589.70 |
| Equity in H-E.P.C. systems..... | 4,608.67 | 222,270.09 | 9,683.44 | 3,400.81 | 26,385.91 |
| Other assets..... | | 3,604.51 | 194.56 | | |
| Total assets..... | 28,635.83 | 954,501.91 | 44,135.93 | 15,486.48 | 138,962.50 |
| Deficit..... | | | | | |
| Total..... | 28,635.83 | 954,501.91 | 44,135.93 | 15,486.48 | 138,962.50 |
| LIABILITIES | | | | | |
| Debenture balance..... | 13,543.57 | 245,238.03 | 6,422.39 | 6,756.82 | 44,500.00 |
| Accounts payable..... | 851.67 | 23,289.92 | 32.01 | 373.14 | 495.93 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 35.00 | 39,030.61 | 190.00 | | 175.81 |
| Total liabilities..... | 14,430.24 | 307,558.56 | 6,644.40 | 7,129.96 | 45,171.74 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 4,608.67 | 222,270.09 | 9,683.44 | 3,400.81 | 26,385.91 |
| For depreciation..... | 3,035.70 | 108,582.98 | 6,469.01 | 1,657.34 | 20,000.45 |
| Other reserves..... | | 4,974.96 | | | 670.39 |
| Total reserves..... | 7,644.37 | 335,828.03 | 16,152.45 | 5,058.15 | 47,056.75 |
| SURPLUS | | | | | |
| Debentures paid..... | 6,456.43 | 124,761.97 | 6,927.61 | 1,243.18 | |
| Local sinking fund..... | | | | | 32,589.70 |
| Operating surplus..... | 104.79 | 186,353.35 | 14,411.47 | 2,055.19 | 14,144.31 |
| Total surplus..... | 6,561.22 | 311,115.32 | 21,339.08 | 3,298.37 | 46,734.01 |
| Total liabilities, reserves and surplus | 28,635.83 | 954,501.91 | 44,135.93 | 15,486.48 | 138,962.50 |
| Percentage of net debt to total assets | 60.1 | 36.7 | 19.2 | 59.0 | 15.7 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Comber P.V. | Cottam P.V. | Courtright 348 | Dashwood P.V. | Delaware P.V. | Dorchester P.V. | Drayton 559 | Dresden 1,488 |
|----------------|----------------|-------------------|------------------|------------------|--------------------|----------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 7,231.00 | 9,112.46 | 6,515.06 | 3,402.64 | 3,764.27 | 8,048.67 | 9,333.37 | 523.00 18,494.68 |
| 3,422.04 | 1,538.31 | 1,225.40 | 1,600.44 | 914.44 | 3,286.91 | 3,328.48 | 7,524.07 |
| 2,459.87 | 1,778.79 | 880.37 | 1,378.45 | 962.46 | 2,411.76 | 3,254.24 | 5,912.96 |
| 384.93 | 359.43 | 425.08 | 353.42 | 148.08 | 496.74 | 673.50 | 1,127.48 |
| 977.24 | 220.64 | 558.67 | 291.87 | 203.81 | 328.41 | 401.02 | 553.99 |
| | | | | | | | 4,815.01 |
| 14,475.08 | 13,009.63 | 9,604.58 | 7,026.82 | 5,993.06 | 14,572.49 | 16,990.61 | 38,951.19 |
| 3,261.56 | 3,366.01 | 686.28 | 1,351.20 | 1,026.21 | 2,101.25 | 484.02 | 1,024.08 |
| 291.61 | 226.38 | 25.43 | 1,500.00 | 2,500.00 | 2,000.00 | 5,000.00 | 2,000.00 |
| | | | 6.70 | 309.09 | 67.93 | 109.57 | 1,610.34 |
| 11,265.98 | 1,912.56 | 3,068.73 | 4,929.81 | 1,607.07 | 3,991.12 | 6,777.75 | 17,862.77 120.00 |
| 29,294.23 | 18,514.58 | 13,385.02 | 14,814.53 | 11,435.43 | 22,732.79 | 29,361.95 | 62,133.78 |
| 29,294.23 | 18,514.58 | 13,385.02 | 14,814.53 | 11,435.43 | 22,732.79 | 29,361.95 | 62,133.78 |
| 1,633.62 | 6,866.34 | 3,508.45 | 2,131.19 | 2,161.11 | 2,479.56 | 6,415.08 | 726.04 |
| | | 251.67 | 89.19 | 35.44 | 234.40 | 1,051.56 | 1,083.75 |
| 19.85 | 80.00 | | | | 15.00 | | 120.00 |
| 1,653.47 | 6,946.34 | 3,760.12 | 2,220.38 | 2,196.55 | 2,728.96 | 7,466.64 | 1,929.79 |
| 11,265.98 | 1,912.56 | 3,068.73 | 4,929.81 | 1,607.07 | 3,991.12 | 6,777.75 | 17,862.77 |
| 4,535.27 | 2,422.63 | 1,103.15 | 1,917.52 | 869.58 | 1,585.97 | 5,133.06 | 4,918.02 |
| | | | | | | | 225.00 |
| 15,801.25 | 4,335.19 | 4,171.88 | 6,847.33 | 2,476.65 | 5,577.09 | 11,910.81 | 23,005.79 |
| 6,066.38 | 2,133.88 | 4,629.90 | 1,268.81 | 1,838.89 | 1,820.44 | 3,084.92 | 15,512.21 |
| 5,773.13 | 5,099.17 | 823.12 | 4,478.01 | 4,923.34 | 12,606.30 | 6,899.58 | 21,685.99 |
| 11,839.51 | 7,233.05 | 5,453.02 | 5,746.82 | 6,762.23 | 14,426.74 | 9,984.50 | 37,198.20 |
| 29,294.23 | 18,514.58 | 13,385.02 | 14,814.53 | 11,435.43 | 22,732.79 | 29,361.95 | 62,133.78 |
| 9.2 | 41.8 | 36.4 | 22.4 | 22.3 | 14.5 | 33.1 | 4.1 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality | Drumbo | Dublin | Dundas | Dunnville | Dutton |
|---|-----------|-----------|------------|------------|-----------|
| Population | P.V. | P.V. | 5,138 | 3,615 | 761 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | | | 12,111.11 | 3,356.09 | |
| Substation equipment | | | 13,396.22 | 27,302.17 | |
| Distribution system—overhead | 4,552.59 | 5,787.61 | 50,052.10 | 36,699.01 | 9,086.84 |
| Distribution system—underground | | | | | |
| Line transformers | 1,537.50 | 897.65 | 19,610.94 | 18,110.09 | 3,425.25 |
| Meters | 1,863.92 | 874.11 | 19,427.63 | 15,836.44 | 3,297.10 |
| Street light equipment, regular | 262.27 | 544.86 | 10,834.15 | 8,012.37 | 626.14 |
| Street light equipment, ornamental | | | 1,154.52 | | |
| Miscellaneous construction expense | 257.95 | 787.06 | 8,158.01 | 5,788.34 | 338.12 |
| Steam or hydraulic plant | | | | | |
| Old plant | | | 1,867.38 | 10,717.62 | |
| Other plants not distributed | | | | | |
| Total plant | 8,474.23 | 8,891.29 | 136,612.06 | 125,822.13 | 16,773.45 |
| Bank and cash balance | 2,878.65 | 269.38 | 11,192.92 | 35.00 | |
| Securities and investments | | | 1,500.00 | 10,000.00 | 6,000.00 |
| Accounts receivable | 294.88 | 229.23 | 4,375.02 | 7,493.12 | 430.27 |
| Inventories | 54.53 | | 439.24 | 886.01 | 22.82 |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 3,658.36 | 3,357.12 | 81,992.63 | 32,056.77 | 11,117.92 |
| Other assets | | | 2,084.98 | | 120.17 |
| Total assets | 15,360.65 | 12,747.02 | 238,196.85 | 176,293.03 | 34,464.63 |
| Deficit | | 671.75 | | | |
| Total | 15,360.65 | 13,418.77 | 238,196.85 | 176,293.03 | 34,464.63 |
| LIABILITIES | | | | | |
| Debenture balance | 2,431.53 | 1,345.99 | 25,859.07 | 49,929.04 | 4,758.84 |
| Accounts payable | 61.91 | 858.79 | 1,743.12 | 8,571.83 | |
| Bank overdraft | | | | 2,394.44 | 87.61 |
| Other liabilities | | | 3,086.83 | 1,225.35 | 47.36 |
| Total liabilities | 2,493.44 | 2,204.78 | 30,689.02 | 62,120.66 | 4,893.81 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 3,658.36 | 3,357.12 | 81,992.63 | 32,056.77 | 11,117.92 |
| For depreciation | 2,933.41 | 3,002.86 | 41,922.00 | 24,741.85 | 5,650.56 |
| Other reserves | | | 350.52 | | |
| Total reserves | 6,591.77 | 6,359.98 | 124,265.15 | 56,798.62 | 16,768.48 |
| SURPLUS | | | | | |
| Debentures paid | 2,068.47 | 4,854.01 | 27,140.93 | 25,570.96 | 3,648.65 |
| Local sinking fund | | | | | |
| Operating surplus | 4,206.97 | | 56,101.75 | 31,802.79 | 9,153.69 |
| Total surplus | 6,275.44 | 4,854.01 | 83,242.68 | 57,373.75 | 12,802.34 |
| Total liabilities, reserves and surplus | 15,360.65 | 13,418.77 | 238,196.85 | 176,293.03 | 34,464.63 |
| Percentage of net debt to total assets | 21.3 | 23.4 | 18.9 | 43.0 | 20.9 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| East Windsor 14,333 | East York Twp. | Elmira 2,642 | Elora 1,144 | Embro 455 | Erieau 264 | Erie Beach 23 | Essex 1,888 |
|------------------------|-------------------|-----------------|----------------|--------------|---------------|---------------------|----------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 174,118.92 | 281,256.98 | 34,855.36 | 17,136.30 | 9,588.07 | 9,286.94 | 1,889.54 | 35,810.48 |
| 74,978.65 | 75,986.83 | 15,509.18 | 7,301.95 | 3,039.64 | 1,600.23 | 613.17 | 442.55 |
| 60,661.87 | 140,084.77 | 12,767.67 | 5,803.86 | 2,072.23 | 2,300.97 | 732.78 | 15,011.34 |
| 89,295.42 | 20,605.46 | 1,380.05 | 1,235.43 | 535.73 | 246.10 | | 10,630.12 |
| 3,439.78 | 15,185.88 | 3,817.89 | 1,339.05 | 69.45 | 379.90 | 375.03 | 1,548.10 |
| | | 2,168.08 | 1,425.47 | 429.25 | | | 2,583.63 |
| 402,494.64 | 558,580.68 | 77,617.96 | 35,766.60 | 15,734.37 | 13,814.14 | 3,610.52 | 66,026.22 |
| 83,957.95 | 9,129.20 | 402.84 | 56.17 | 1,117.19 | | 377.32 | 6,822.20 |
| 13,939.00 | 2,812.91 | | 7,000.00 | 1,000.00 | | | 5,000.00 |
| | 23,978.79 | 350.46 | 574.16 | 468.29 | 413.81 | 307.31 | 3,250.40 |
| | 6,841.18 | | 619.32 | | | | |
| 125,360.56 | 116,767.89 | 46,936.38 | 22,693.58 | 6,527.33 | 2,938.52 | 747.87 | 15,657.28 |
| 625,752.15 | 718,110.65 | 125,307.64 | 66,709.83 | 24,847.18 | 17,166.47 | 5,043.02 | 96,756.10 |
| 625,752.15 | 718,110.65 | 125,307.64 | 66,709.83 | 24,847.18 | 17,166.47 | 5,043.02 | 96,756.10 |
| 98,715.71 | 260,603.69 | 24,587.85 | 3,749.15 | 3,215.44 | 4,540.17 | 2,547.11 | 19,003.56 |
| 27,803.76 | 52,687.72 | 3,021.39 | 518.81 | 135.95 | 1,124.94 | 18.33 | 1,186.17 |
| | 138.46 | | 156.87 | | 62.35 | | |
| 89,295.42 | 14,270.65 | 678.65 | 35.00 | | 15.00 | | 565.13 |
| 215,814.89 | 327,700.52 | 28,287.89 | 4,459.83 | 3,351.39 | 5,742.46 | 2,565.44 | 20,754.86 |
| 125,360.56 | 116,767.89 | 46,936.38 | 22,693.58 | 6,527.33 | 2,938.52 | 747.87 | 15,657.28 |
| 46,069.95 | 54,274.59 | 15,623.42 | 11,246.10 | 4,660.64 | 1,806.50 | 368.36 | 11,061.83 |
| 430.24 | 1,672.50 | | | | | | 950.00 |
| 171,860.75 | 172,714.98 | 62,559.80 | 33,939.68 | 11,187.97 | 4,745.02 | 1,116.23 | 27,669.11 |
| 50,284.29 | 96,464.09 | 12,580.65 | 9,250.85 | 4,284.56 | 2,342.96 | 752.89 | 3,496.44 |
| 187,792.22 | 121,231.06 | 21,879.30 | 19,059.47 | 6,023.26 | 4,336.03 | 608.46 | 44,835.69 |
| 238,076.51 | 217,695.15 | 34,459.95 | 28,310.32 | 10,307.82 | 6,678.99 | 1,361.35 | 48,332.13 |
| 625,752.15 | 718,110.65 | 125,307.64 | 66,709.83 | 24,847.18 | 17,166.47 | 5,043.02 | 96,756.10 |
| 30.7 | 54.5 | 36.0 | 10.1 | 18.3 | 40.3 | 59.7 | 25.5 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Etobicoke Twp. | Exeter | Fergus | Fonthill | Forest |
|--|-------------------|--------------|--------------|--------------|--------------|
| Population..... | | 1,622 | 2,559 | 862 | 1,465 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 26,109.75 | 3,281.59 | | | 6,447.40 |
| Substation equipment..... | | | | | |
| Distribution system—overhead..... | 264,591.04 | 26,558.89 | 33,257.25 | 11,172.41 | 19,850.09 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 65,033.98 | 10,205.65 | 15,885.95 | 4,877.07 | 9,608.76 |
| Meters..... | 51,454.97 | 8,081.77 | 11,763.08 | 4,331.41 | 9,289.58 |
| Street light equipment, regular..... | 11,937.62 | 953.11 | 2,163.24 | 1,031.00 | 2,369.94 |
| Street light equipment, ornamental..... | 2,689.44 | | | | |
| Miscellaneous construction expense..... | 5,055.18 | 2,219.08 | 1,145.49 | 3,872.65 | 868.54 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | 2,546.59 | | 11,042.87 |
| Other plants not distributed..... | | | | | |
| Total plant..... | 426,871.98 | 51,300.09 | 66,761.60 | 25,284.54 | 59,477.18 |
| Bank and cash balance..... | | 6,274.48 | 1,032.62 | | 4,166.54 |
| Securities and investments..... | | 3,000.00 | | | 7,500.00 |
| Accounts receivable..... | 21,905.49 | 2,525.10 | 1,149.81 | 605.01 | 3,161.98 |
| Inventories..... | 5,431.65 | 2,034.19 | 108.80 | | 1,714.49 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 92,232.23 | 23,307.91 | 28,771.67 | 2,800.14 | 16,729.43 |
| Other assets..... | 4,782.46 | | | 219.24 | |
| Total assets..... | 551,223.81 | 88,441.77 | 97,824.50 | 28,908.93 | 92,749.62 |
| Deficit..... | | | | | |
| Total..... | 551,223.81 | 88,441.77 | 97,824.50 | 28,908.93 | 92,749.62 |
| LIABILITIES | | | | | |
| Debenture balance..... | 185,435.62 | 8,211.16 | 18,458.35 | 16,901.54 | 10,654.92 |
| Accounts payable..... | 28,000.00 | 191.98 | 1,893.70 | | |
| Bank overdraft..... | 9,674.35 | | | 1,049.04 | |
| Other liabilities..... | 7,471.90 | 104.25 | 10.00 | 210.62 | 26.06 |
| Total liabilities..... | 230,581.87 | 8,507.39 | 20,362.05 | 18,161.20 | 10,680.98 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 92,232.23 | 23,307.91 | 28,771.67 | 2,800.14 | 16,729.43 |
| For depreciation..... | 61,087.59 | 9,738.21 | 7,874.37 | 1,677.44 | 11,921.44 |
| Other reserves..... | 760.79 | 85.90 | | | 50.00 |
| Total reserves..... | 154,080.61 | 33,132.02 | 36,646.04 | 4,477.58 | 28,700.87 |
| SURPLUS | | | | | |
| Debentures paid..... | 80,259.78 | 11,788.89 | 23,541.65 | 5,598.46 | 23,745.08 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 86,301.55 | 35,013.47 | 17,274.76 | 671.69 | 29,622.69 |
| Total surplus..... | 166,561.33 | 46,802.36 | 40,816.41 | 6,270.15 | 53,367.77 |
| Total liabilities, reserves and surplus..... | 551,223.81 | 88,441.77 | 97,824.50 | 28,908.93 | 92,749.62 |
| Percentage of net debt to total assets..... | 48.9 | 13.1 | 29.5 | 69.5 | 14.1 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Galt 14,036 | George- town 2,187 | Glencoe 800 | Goderich 4,366 | Granton P.V. | Guelph 20,754 | Hagers- ville 1,370 | Hamilton 154,701 |
|----------------|--------------------------|----------------|-------------------|-----------------|------------------|---------------------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 200,400.85 | | | 12,957.48 | | 13,380.18 | 864.37 | 929,378.58 |
| 113,678.71 | | | 34,402.48 | | 154,033.43 | | 1,752,301.59 |
| 230,512.67 | 31,167.43 | 20,906.98 | 66,031.41 | 4,320.71 | 173,856.72 | 20,216.91 | 1,207,106.47 |
| | | | | | | | 854,684.64 |
| 117,283.95 | 18,111.46 | 6,311.20 | 20,309.85 | 1,533.55 | 85,064.07 | 9,850.72 | 902,219.08 |
| 70,247.62 | 13,451.90 | 4,202.13 | 17,907.69 | 1,486.86 | 90,097.57 | 8,533.70 | 625,551.46 |
| 72,290.44 | 1,364.67 | 1,714.63 | 4,825.17 | 163.37 | 42,207.45 | 1,040.67 | 277,329.74 |
| | | | | | | | |
| 25,070.72 | 2,411.30 | 3,383.07 | 5,883.56 | 113.08 | 14,210.70 | 1,040.63 | 201,750.22 |
| | 2,209.80 | | 14,622.15 | | | | 104,252.86 |
| | | | | | | | |
| 829,484.96 | 68,716.56 | 36,518.01 | 176,939.79 | 7,617.57 | 572,850.12 | 41,547.00 | 6,854,574.64 |
| | 1,183.55 | 2,550.56 | 2,922.44 | 2,260.04 | 7,771.94 | 9,321.97 | 118,868.31 |
| | 7,986.67 | | | 2,000.00 | | 12,000.00 | |
| 54,185.97 | 1,691.33 | 1,351.21 | 4,021.17 | 352.86 | 15,979.43 | 128.48 | 421,735.60 |
| 12,370.61 | 127.49 | | 1,196.78 | | 23,315.15 | 33.00 | 158,083.35 |
| 109,461.97 | | | | | 44,819.73 | | 648,954.49 |
| 313,276.52 | 55,732.50 | 10,750.22 | 70,410.65 | 4,760.53 | 368,952.35 | 47,251.46 | 2,173,195.35 |
| 1,995.45 | 1,500.18 | | 1,802.96 | | | | 341.92 |
| | | | | | | | |
| 1,320,775.48 | 136,938.28 | 51,170.00 | 257,293.79 | 16,991.00 | 1,033,688.72 | 110,281.91 | 10,375,753.66 |
| | | | | | | | |
| 1,320,775.48 | 136,938.28 | 51,170.00 | 257,293.79 | 16,991.00 | 1,033,688.72 | 110,281.91 | 10,375,753.66 |
| | | | | | | | |
| 308,324.47 | 10,694.02 | 8,559.83 | 50,093.14 | 2,131.93 | 52,500.00 | 3,166.70 | 3,271,123.10 |
| 13,256.91 | 811.96 | | 1,434.08 | 238.11 | 22,450.71 | 1,960.06 | 296,978.57 |
| 2,031.73 | | | | | | | |
| 5,473.56 | 498.48 | 20.00 | 1,735.79 | | 2,374.39 | | 1,874,770.30 |
| | | | | | | | |
| 329,086.67 | 12,004.46 | 8,579.83 | 53,263.01 | 2,370.04 | 77,325.10 | 5,126.76 | 5,442,871.97 |
| | | | | | | | |
| 313,276.52 | 55,732.50 | 10,750.22 | 70,410.65 | 4,760.53 | 368,952.35 | 47,251.46 | 2,173,195.35 |
| 231,619.45 | 19,269.84 | 6,727.56 | 57,114.55 | 2,101.61 | 36,874.74 | 7,639.27 | 883,459.87 |
| 34,953.02 | | | 1,055.77 | | 837.88 | | 171,744.85 |
| | | | | | | | |
| 579,848.99 | 75,002.34 | 17,477.78 | 128,580.97 | 6,862.14 | 406,664.97 | 54,890.73 | 3,228,400.07 |
| | | | | | | | |
| 209,677.48 | 9,305.98 | 11,553.05 | 45,994.91 | 1,368.07 | 92,499.99 | 4,833.30 | 947,902.02 |
| 109,461.97 | | | | | 44,819.73 | | 648,954.49 |
| 92,700.37 | 40,625.50 | 13,559.34 | 29,454.90 | 6,390.75 | 412,378.93 | 45,431.12 | 107,625.11 |
| | | | | | | | |
| 411,839.82 | 49,931.48 | 25,112.39 | 75,449.81 | 7,758.82 | 549,698.65 | 50,264.42 | 1,704,481.66 |
| | | | | | | | |
| 1,320,775.48 | 136,938.28 | 51,170.00 | 257,293.79 | 16,991.00 | 1,033,688.72 | 110,281.91 | 10,375,753.66 |
| | | | | | | | |
| 24.5 | 14.8 | 21.2 | 28.5 | 19.4 | 11.6 | 8.1 | 66.3 |

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

| Municipality..... | Harriston | Harrow | Hensall | Hespeler | Highgate |
|--|--------------|--------------|--------------|--------------|--------------|
| Population..... | 1,293 | 926 | 719 | 2,784 | 338 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | 4,474.73 | |
| Substation equipment..... | 600.00 | | | 29,732.13 | |
| Distribution system—overhead... 21,945.86 | | 16,655.54 | 12,370.10 | 30,580.07 | 6,383.76 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 7,416.42 | 9,910.52 | 4,428.42 | 20,634.74 | 2,109.25 |
| Meters..... | 7,087.97 | 5,831.12 | 3,427.82 | 12,264.99 | 1,697.12 |
| Street light equipment, regular... 1,192.80 | | 741.63 | 612.83 | 7,147.63 | 453.91 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 892.07 | 303.39 | 549.80 | 603.89 | 513.64 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 1,001.43 | | 400.00 | | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 40,136.55 | 33,442.20 | 21,788.97 | 105,438.18 | 11,157.68 |
| Bank and cash balance..... | 431.61 | 6,274.16 | 3,475.78 | 2,570.18 | 2,263.07 |
| Securities and investments..... | | | 4,000.00 | | 2,305.54 |
| Accounts receivable..... | 338.14 | 297.16 | 47.20 | 4,734.05 | 238.14 |
| Inventories..... | 58.48 | | | 435.36 | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 19,021.07 | 11,158.25 | 8,596.60 | 56,882.64 | 5,893.16 |
| Other assets..... | | | | | |
| Total assets..... | 59,985.85 | 51,171.77 | 37,908.55 | 170,060.41 | 21,857.59 |
| Deficit..... | | | | | |
| Total..... | 59,985.85 | 51,171.77 | 37,908.55 | 170,060.41 | 21,857.59 |
| LIABILITIES | | | | | |
| Debenture balance..... | 10,235.76 | 8,251.50 | 7,130.11 | 34,897.47 | 3,050.55 |
| Accounts payable..... | 3,471.46 | 2,816.72 | 849.78 | 184.74 | |
| Bank overdraft..... | | | | | |
| Other liabilities..... | | 406.24 | 55.50 | 5.00 | |
| Total liabilities..... | 13,707.22 | 11,474.46 | 8,035.39 | 35,087.21 | 3,050.55 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... 19,021.07 | | 11,158.25 | 8,596.60 | 56,882.64 | 5,893.16 |
| For depreciation..... | 5,676.17 | 1,471.04 | 5,832.73 | 12,465.85 | 3,333.64 |
| Other reserves..... | | | | 500.00 | |
| Total reserves..... | 24,697.24 | 12,629.29 | 14,429.33 | 69,848.49 | 9,226.80 |
| SURPLUS | | | | | |
| Debentures paid..... | 15,582.27 | 3,748.50 | 4,869.89 | 42,673.04 | 1,949.45 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 5,999.12 | 23,319.52 | 10,573.94 | 22,451.67 | 7,630.79 |
| Total surplus..... | 21,581.39 | 27,068.02 | 15,443.83 | 65,124.71 | 9,580.24 |
| Total liabilities, reserves and surplus..... | 59,985.85 | 51,171.77 | 37,908.55 | 170,060.41 | 21,857.59 |
| Percentage of net debt to total assets..... | 33.5 | 28.6 | 27.4 | 31.0 | 19.1 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Humber- stone 2,265 | Ingersoll 5,296 | Jarvis 504 | Kingsville 2,286 | Kitchener 31,443 | Lambeth P.V. | La Salle 600 | Leaming- ton 5,025 |
|---------------------------|--------------------|---------------|---------------------|---------------------|-----------------|-----------------|--------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 15,064.45 | ..... | 7,774.09 | 179,685.67 | ..... | ..... | 16,387.58 |
| ..... | 33,210.77 | ..... | ..... | 218,733.96 | ..... | ..... | 7,085.62 |
| 26,146.68 | 55,296.05 | 9,408.06 | 31,259.00 | 313,555.64 | 6,931.29 | 18,971.34 | 49,897.49 |
| ..... | ..... | ..... | ..... | 38,019.52 | ..... | ..... | 11,971.67 |
| 9,181.25 | 27,142.19 | 3,080.21 | 13,218.19 | 172,698.35 | 1,883.12 | 6,716.60 | 22,592.47 |
| 7,621.55 | 24,764.88 | 2,358.05 | 13,260.75 | 180,742.56 | 2,184.61 | 4,174.22 | 22,504.36 |
| 884.80 | 3,980.93 | 846.99 | 1,439.82 | 64,926.44 | 269.16 | 946.49 | 1,380.13 |
| ..... | 4,597.59 | ..... | 19,200.00 | 86,939.84 | ..... | ..... | 15,178.49 |
| 3,167.04 | 11,236.70 | 707.52 | 52.50 | 20,676.96 | 300.71 | 1,660.69 | 1,838.17 |
| ..... | 19,098.54 | ..... | ..... | 52,363.91 | ..... | ..... | ..... |
| | | | | | | | |
| 47,001.32 | 194,392.10 | 16,400.83 | 86,204.35 | 1,328,342.85 | 11,568.89 | 32,469.34 | 148,835.98 |
| 3,986.70 | ..... | 3,951.34 | 8,568.14 | ..... | 1,530.06 | 7,165.32 | 7,060.52 |
| ..... | 11,716.57 | ..... | 8,000.00 | 15,000.00 | 3,000.00 | ..... | 11,000.00 |
| 452.04 | 1,620.07 | 203.05 | 544.48 | 50,628.45 | 231.98 | 1,144.49 | 785.96 |
| ..... | 1,474.48 | ..... | ..... | 10,763.23 | ..... | ..... | ..... |
| ..... | 68,029.84 | ..... | ..... | ..... | ..... | ..... | ..... |
| 9,735.62 | 105,017.04 | 7,844.51 | 21,171.01 | 704,233.55 | 5,287.52 | 6,920.00 | 38,294.17 |
| 1,138.44 | 761.03 | ..... | ..... | ..... | ..... | 1,361.14 | ..... |
| | | | | | | | |
| 62,314.12 | 383,011.13 | 28,399.73 | 124,487.98 | 2,108,968.08 | 21,618.45 | 49,060.29 | 205,976.63 |
| | | | | | | | |
| 62,314.12 | 383,011.13 | 28,399.73 | 124,487.98 | 2,108,968.08 | 21,618.45 | 49,060.29 | 205,976.63 |
| | | | | | | | |
| 19,200.00 | 79,800.00 | 6,622.83 | 28,630.70 | 190,441.49 | 2,436.29 | 11,329.59 | 33,005.45 |
| 169.07 | 10,172.70 | 1,510.97 | 3,155.02 | 48,568.96 | 648.04 | 14.00 | 331.10 |
| ..... | 5,330.73 | ..... | ..... | 42,547.99 | ..... | ..... | ..... |
| 917.09 | 5,358.62 | ..... | 20,882.22 | 88,094.26 | 30.00 | 381.03 | 17,416.05 |
| | | | | | | | |
| 20,286.16 | 100,662.05 | 8,133.80 | 52,667.94 | 369,652.70 | 3,114.33 | 11,724.62 | 50,752.60 |
| | | | | | | | |
| 9,735.62 | 105,017.04 | 7,844.51 | 21,171.01 | 704,233.55 | 5,287.52 | 6,920.00 | 38,294.17 |
| 1,332.06 | 12,343.29 | 2,211.32 | 14,531.37 | 247,520.58 | 2,854.95 | 5,247.44 | 19,175.90 |
| ..... | 857.40 | ..... | ..... | 26,164.18 | ..... | 980.11 | ..... |
| | | | | | | | |
| 11,067.68 | 118,217.73 | 10,055.83 | 35,702.38 | 977,918.31 | 8,142.47 | 13,147.55 | 57,470.07 |
| | | | | | | | |
| 12,800.00 | ..... | 3,877.17 | 4,869.30 | 321,708.51 | 1,563.71 | 4,170.41 | 14,994.55 |
| ..... | 68,029.84 | ..... | ..... | ..... | ..... | ..... | ..... |
| 18,160.28 | 96,101.51 | 6,332.93 | 31,248.36 | 439,688.56 | 8,797.94 | 20,017.71 | 82,759.41 |
| | | | | | | | |
| 30,960.28 | 164,131.35 | 10,210.10 | 36,117.66 | 761,397.07 | 10,361.65 | 24,188.12 | 97,753.96 |
| | | | | | | | |
| 62,314.12 | 383,011.13 | 28,399.73 | 124,487.98 | 2,108,968.08 | 21,618.45 | 49,060.29 | 205,976.63 |
| | | | | | | | |
| 38.6 | 13.0 | 39.6 | 39.7 | 21.4 | 19.0 | 27.8 | 23.3 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality | Listowel | London | London Twp. | Long Branch | Lucan |
|---|------------|--------------|----------------|----------------|-----------|
| Population | 2,665 | 73,173 | | 3,541 | 590 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | 1,457.39 | 446,297.17 | | | |
| Substation equipment | | 937,035.75 | | | |
| Distribution system—overhead | 38,677.84 | 775,097.74 | 17,172.37 | 51,871.03 | 10,528.36 |
| Distribution system—underground | 2,897.25 | 281,865.17 | | | |
| Line transformers | 17,556.07 | 288,604.36 | 5,605.28 | 11,667.28 | 4,131.49 |
| Meters | 15,946.16 | 322,834.22 | 3,782.72 | 16,685.36 | 3,123.36 |
| Street light equipment, regular | 1,853.82 | 66,972.71 | 861.36 | 4,212.21 | 430.15 |
| Street light equipment, ornamental | 1,348.66 | 84,746.73 | | | |
| Miscellaneous construction expense | 2,482.88 | 87,103.97 | 518.96 | 1,220.51 | 455.52 |
| Steam or hydraulic plant | | | | | |
| Old plant | 4,745.30 | | 1,733.80 | | 2,860.45 |
| Other plants not distributed | | | | | |
| Total plant | 86,965.37 | 3,290,557.82 | 29,674.49 | 85,656.39 | 21,529.33 |
| Bank and cash balance | 13,684.45 | 82,325.47 | 5,179.48 | | 3,654.23 |
| Securities and investments | | | | | 5,000.00 |
| Accounts receivable | 398.63 | 199,081.27 | 1,606.66 | 1,031.58 | 5.30 |
| Inventories | | 81,210.59 | | | |
| Sinking fund on local debentures | | 323,711.25 | | | |
| Equity in H-E.P.C. systems | 40,935.07 | 1,276,199.72 | 7,958.96 | 6,340.04 | 11,298.71 |
| Other assets | | 430.86 | 112.32 | 2,362.03 | |
| Total assets | 141,983.52 | 5,253,516.98 | 44,531.91 | 95,390.04 | 41,487.57 |
| Deficit | | | | | |
| Total | 141,983.52 | 5,253,516.98 | 44,531.91 | 95,390.04 | 41,487.57 |
| LIABILITIES | | | | | |
| Debenture balance | 7,689.73 | 917,970.20 | 11,006.23 | 25,368.14 | 4,324.21 |
| Accounts payable | 3,219.79 | 123,527.12 | 6.69 | 12,506.99 | 171.52 |
| Bank overdraft | | | | | |
| Other liabilities | 1,545.04 | 85,177.59 | 112.32 | 2,362.03 | 147.22 |
| Total liabilities | 12,454.56 | 1,126,674.91 | 11,125.24 | 40,237.16 | 4,642.95 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 40,935.07 | 1,276,199.72 | 7,958.96 | 6,340.04 | 11,298.71 |
| For depreciation | 27,324.72 | 815,940.62 | 4,290.81 | 13,202.97 | 7,141.45 |
| Other reserves | | 79,389.72 | | 359.98 | |
| Total reserves | 68,259.79 | 2,171,530.06 | 12,249.77 | 19,902.99 | 18,440.16 |
| SURPLUS | | | | | |
| Debentures paid | 35,500.16 | 663,929.80 | 7,993.77 | 14,936.46 | 6,889.41 |
| Local sinking fund | | 323,711.25 | | | |
| Operating surplus | 25,769.01 | 967,670.96 | 13,163.13 | 20,313.43 | 11,515.05 |
| Total surplus | 61,269.17 | 1,955,312.01 | 21,156.90 | 35,249.89 | 18,404.46 |
| Total liabilities, reserves and surplus | 141,983.52 | 5,253,516.98 | 44,531.91 | 95,390.04 | 41,487.57 |
| Percentage of net debt to total assets | 11.1 | 20.2 | 30.2 | 43.6 | 15.4 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Lynden P.V. | Markham 1,073 | Merlin P.V. | Merritton 2,544 | Milton 1,828 | Milverton 1,004 | Mimico 6,454 | Mitchell 1,571 |
|-----------------|------------------|----------------|--------------------|-----------------|--------------------|-----------------|-------------------|
| \$ c. 241.18 | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 4,774.11 | 15,421.16 | 8,042.18 | 34,597.79 | 20,602.04 | 11,341.16 | 74,219.93 | 28,998.95 |
| 2,134.21 | 7,872.35 | 3,399.23 | 7,320.28 | 13,944.73 | 7,565.80 | 29,920.12 | 8,807.77 |
| 1,595.60 | 5,681.24 | 2,057.70 | 9,664.77 | 13,091.00 | 5,047.01 | 28,091.34 | 11,902.61 |
| 340.66 | 750.76 | 555.64 | 4,676.11 | 1,282.36 | 737.16 | 7,747.29 | 3,698.59 |
| 193.57 | 1,560.51 | 455.36 | 3,210.44 | 4,282.62 | 773.05 | 5,008.13 | 931.79 |
| | | 241.85 | | 3,092.54 | | | 1,500.00 |
| 9,279.33 | 31,286.02 | 14,751.96 | 95,110.10 | 68,164.23 | 25,701.38 | 200,518.99 | 96,516.25 |
| 866.20 | 1,963.31 | 3,007.41 | 6,854.90 | 5,363.01 | 1,036.76 | 100.00 | 2,903.68 |
| | 2,153.58 | 6,000.00 | | 12,000.00 | 2,000.00 | | 1,000.00 |
| 394.72 | 696.00 | 712.68 | 3,538.18 | 5,708.73 | 1,689.76 | 10,610.69 | 5,769.11 |
| | | | | 4,145.51 | | | 2,544.29 |
| 8,470.87 | 9,223.04 | 7,210.65 | 51,801.81 | 62,216.95 | 27,538.79 | 74,423.84 | 25,154.35 |
| | | | | 139.85 | | 2,012.47 | |
| 19,011.12 | 45,321.95 | 31,682.70 | 157,304.99 | 157,738.28 | 57,966.69 | 287,665.99 | 133,887.68 |
| 19,011.12 | 45,321.95 | 31,682.70 | 157,304.99 | 157,738.28 | 57,966.69 | 287,665.99 | 133,887.68 |
| 2,665.87 | 1,241.70 | 7,748.06 | 20,063.94 | 8,311.39 | 1,466.31 | 83,254.65 | |
| 280.76 | 30 | 1,327.05 | 728.19 | 1,109.85 | 2,675.00 | 229.03 | 368.49 |
| | 65.00 | | | 139.85 | | 1,010.65 | |
| | | | | | | 4,645.00 | 106.00 |
| 2,946.63 | 1,307.00 | 9,075.11 | 20,792.13 | 9,561.09 | 4,141.31 | 89,139.33 | 474.49 |
| 8,470.87 | 9,223.04 | 7,210.65 | 51,801.81 | 62,216.95 | 27,538.79 | 74,423.84 | 25,154.35 |
| 2,447.13 | 5,420.72 | 2,150.45 | 5,720.91 | 14,462.53 | 5,125.26 | 41,430.43 | 33,537.39 |
| | | | | 1,492.45 | 675.00 | 2,749.18 | |
| 10,918.00 | 14,643.76 | 9,361.10 | 57,522.72 | 78,171.93 | 33,339.05 | 118,603.45 | 58,691.74 |
| 1,829.13 | 10,131.93 | 5,616.15 | 12,122.27 | 24,735.02 | 8,033.69 | 43,745.35 | 22,295.22 |
| 3,317.36 | 19,239.26 | 7,630.34 | 66,867.87 | 45,270.24 | 12,452.64 | 36,177.86 | 52,426.23 |
| 5,146.49 | 29,371.19 | 13,246.49 | 78,990.14 | 70,005.26 | 20,486.33 | 79,923.21 | 74,721.45 |
| 19,011.12 | 45,321.95 | 31,682.70 | 157,304.99 | 157,738.28 | 57,966.69 | 287,665.99 | 133,887.68 |
| 27.9 | 3.6 | 37.0 | 19.7 | 9.8 | 13.6 | 41.8 | 0.4 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality | Moorefield | Mount Brydges | Newbury | New Hamburg | New Toronto |
|---|------------|------------------|-----------|----------------|----------------|
| Population | P.V. | P.V. | 267 | 1,426 | 7,280 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | | | | 2,513.19 | 43,745.98 |
| Substation equipment | | | | 1,167.55 | 8,605.69 |
| Distribution system—overhead | 2,980.96 | 6,393.68 | 6,422.17 | 23,632.05 | 77,754.15 |
| Distribution system—underground | | | | | 8,605.69 |
| Line transformers | 990.72 | 1,709.69 | 1,797.86 | 6,512.94 | 29,638.15 |
| Meters | 1,202.26 | 2,240.12 | 1,187.32 | 8,982.53 | 28,094.55 |
| Street light equipment, regular | 295.88 | 689.49 | 817.42 | 2,065.70 | 10,090.44 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 348.35 | 220.32 | 486.13 | 1,083.83 | 7,428.83 |
| Steam or hydraulic plant | | | | | |
| Old plant | | | 348.22 | 5,242.56 | |
| Other plants not distributed | | | | | |
| Total plant | 5,818.17 | 11,253.30 | 11,059.12 | 51,200.35 | 205,357.79 |
| Bank and cash balance | 2,099.55 | 2,774.13 | 773.06 | 25.00 | 50.00 |
| Securities and investments | | 3,000.00 | | | |
| Accounts receivable | 8.64 | 719.98 | 867.12 | 1,045.55 | 22,695.89 |
| Inventories | | | | 1,044.07 | |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 3,564.98 | 3,954.00 | 2,459.74 | 28,962.42 | 233,643.69 |
| Other assets | | | | | 1,089.07 |
| Total assets | 11,491.34 | 21,701.41 | 15,159.04 | 82,277.39 | 462,836.44 |
| Deficit | | | | | |
| Total | 11,491.34 | 21,701.41 | 15,159.04 | 82,277.39 | 462,836.44 |
| LIABILITIES | | | | | |
| Debenture balance | 1,339.73 | 2,349.77 | 4,400.00 | 6,775.48 | 4,018.49 |
| Accounts payable | 171.93 | 31.45 | | | 412.37 |
| Bank overdraft | | | | 349.48 | 13,987.00 |
| Other liabilities | | 70.00 | 5.00 | 119.50 | 5,089.07 |
| Total liabilities | 1,511.66 | 2,451.22 | 4,405.00 | 7,244.46 | 23,506.93 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 3,564.98 | 3,954.00 | 2,459.74 | 28,962.42 | 233,643.69 |
| For depreciation | 2,044.16 | 2,115.30 | 2,343.93 | 10,464.13 | 40,978.95 |
| Other reserves | | | | 192.10 | 3,094.82 |
| Total reserves | 5,609.14 | 6,069.30 | 4,803.67 | 39,618.65 | 277,717.46 |
| SURPLUS | | | | | |
| Debentures paid | 3,160.27 | 1,870.23 | 5,354.39 | 10,953.60 | 3,981.51 |
| Local sinking fund | | | | | |
| Operating surplus | 1,210.27 | 11,310.66 | 595.98 | 24,460.68 | 157,630.54 |
| Total surplus | 4,370.54 | 13,180.89 | 5,950.37 | 35,414.28 | 161,612.05 |
| Total liabilities, reserves and surplus | 11,491.34 | 21,701.41 | 15,159.04 | 82,277.39 | 462,836.44 |
| Percentage of net debt to total assets | 19.1 | 13.8 | 34.7 | 13.6 | 10.2 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Niagara Falls 18,507 | Niagara-on-the-Lake 1,672 | North York Twp. | Norwich 1,126 | Oil Springs 433 | Otterville P.V. | Palmerston 1,617 | Paris 4,330 |
|-------------------------|------------------------------|-----------------|------------------|--------------------|--------------------|---------------------|----------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 132,198.34 | 2,307.35 | 28,248.83 | 4,157.99 | 1,296.76 | ..... | ..... | 8,426.83 |
| 229,660.23 | 16,048.36 | ..... | ..... | ..... | ..... | 691.88 | 27,948.18 |
| 190,325.96 | 27,556.88 | 328,051.79 | 11,050.93 | 12,840.49 | 7,068.45 | 26,298.27 | 51,352.12 |
| | | | | | | | |
| 157,091.98 | 6,852.78 | 79,115.36 | 6,180.85 | 5,670.91 | 3,587.82 | 9,844.50 | 19,712.59 |
| 106,984.98 | 7,707.66 | 41,099.94 | 6,818.57 | 3,321.76 | 2,227.30 | 7,414.82 | 19,291.30 |
| 117,345.32 | 1,230.44 | 156.00 | 4,685.64 | 308.24 | 1,408.96 | 2,179.10 | 13,986.43 |
| ..... | ..... | 13,491.21 | ..... | ..... | ..... | ..... | ..... |
| 14,475.01 | 1,716.72 | 20,507.44 | 1,585.11 | 2,568.33 | 142.00 | 781.39 | 731.08 |
| | | | | | | | |
| 21,604.27 | ..... | ..... | 3,509.82 | ..... | ..... | 4,018.71 | ..... |
| | | | | | | | |
| 969,686.09 | 63,420.19 | 510,670.57 | 37,988.91 | 26,006.49 | 14,434.53 | 51,228.67 | 141,448.53 |
| | | | | | | | |
| 27,754.32 | 744.73 | ..... | 2,185.73 | 3,055.32 | 3,548.17 | 315.28 | 5,489.68 |
| ..... | ..... | 4,304.59 | 3,000.00 | 2,483.98 | ..... | ..... | 18,500.00 |
| 21,267.90 | 2,412.18 | 6,321.28 | 1,846.81 | 753.59 | 884.28 | 341.95 | 838.78 |
| 16,116.47 | 1,448.52 | 82.97 | 1,285.36 | 74.77 | ..... | 121.30 | ..... |
| | | | | | | | |
| 322,289.01 | 16,284.04 | 49,580.68 | 21,467.24 | 14,703.00 | 4,586.52 | 24,034.50 | 65,116.46 |
| 25,951.10 | 52.05 | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | | |
| 1,383,064.89 | 84,361.71 | 570,960.09 | 67,774.05 | 47,077.15 | 23,453.50 | 76,041.70 | 231,393.45 |
| | | | | | | | |
| 1,383,064.89 | 84,361.71 | 570,960.09 | 67,774.05 | 47,077.15 | 23,453.50 | 76,041.70 | 231,393.45 |
| | | | | | | | |
| 351,446.59 | 21,359.37 | 371,831.09 | 6,024.98 | 4,945.29 | 719.34 | 4,157.76 | 9,461.15 |
| 50,114.43 | 565.87 | 223.18 | 223.63 | 1,507.58 | 256.93 | 724.44 | 548.79 |
| | | | | | | | |
| 14,997.41 | 50.00 | 18,633.22 | 107.50 | ..... | 10.00 | 237.50 | ..... |
| | | | | | | | |
| 416,558.43 | 21,975.24 | 390,687.49 | 6,356.11 | 6,452.87 | 986.27 | 5,119.70 | 10,009.94 |
| | | | | | | | |
| 322,289.01 | 16,284.04 | 49,580.68 | 21,467.24 | 14,703.00 | 4,586.52 | 24,034.50 | 65,116.46 |
| 135,074.09 | 8,728.32 | 56,045.34 | 4,828.54 | 6,123.17 | 3,953.07 | 6,287.98 | 58,963.83 |
| 11,097.41 | ..... | ..... | 1,000.00 | ..... | ..... | 491.67 | 175.00 |
| | | | | | | | |
| 468,460.51 | 25,012.36 | 105,626.02 | 27,295.78 | 20,826.17 | 8,539.59 | 30,814.15 | 124,255.29 |
| | | | | | | | |
| 338,796.41 | 15,142.05 | 71,190.78 | 7,731.02 | 11,776.02 | 3,780.66 | 22,842.24 | 82,538.85 |
| | | | | | | | |
| 159,249.54 | 22,232.06 | 3,455.80 | 26,391.14 | 8,022.09 | 10,146.98 | 17,265.61 | 14,589.37 |
| | | | | | | | |
| 498,045.95 | 37,374.11 | 74,646.58 | 34,122.16 | 19,798.11 | 13,927.64 | 40,107.85 | 97,128.22 |
| | | | | | | | |
| 1,383,064.89 | 84,361.71 | 570,960.09 | 67,774.05 | 47,077.15 | 23,453.50 | 76,041.70 | 231,393.45 |
| | | | | | | | |
| 39.2 | 32.3 | 73.0 | 13.7 | 19.9 | 5.2 | 9.8 | 6.0 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Parkhill | Petrolia | Plattsville | Point Edward | Port Colborne |
|--|--------------|--------------|--------------|--------------|---------------|
| Population..... | 998 | 2,569 | P.V. | 1,211 | 6,006 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 900.00 | | | 22,561.01 |
| Substation equipment..... | | 2,403.55 | | | |
| Distribution system—overhead... | 15,970.73 | 43,154.86 | 4,116.10 | 21,201.15 | 88,265.47 |
| Distribution system—underground | | | | | |
| Line transformers..... | 4,239.63 | 26,133.29 | 1,890.66 | 6,752.07 | 24,486.11 |
| Meters..... | 4,284.93 | 14,951.86 | 1,921.31 | 4,938.70 | 21,939.13 |
| Street light equipment, regular... | 898.23 | 4,849.35 | 147.15 | 3,060.75 | 4,544.86 |
| Street light equipment, ornamental | | | | | 16,611.59 |
| Miscellaneous construction expense | 1,364.13 | 5,567.23 | 535.92 | 503.14 | 7,355.75 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 3,389.94 | | | 9,929.60 |
| Other plants not distributed..... | | | | | |
| Total plant..... | 26,757.65 | 101,350.08 | 8,611.14 | 36,455.81 | 195,693.52 |
| Bank and cash balance..... | 1,324.87 | 5,040.77 | 598.90 | 339.69 | 2,030.85 |
| Securities and investments..... | | 8,400.00 | | 13,000.00 | 1,500.00 |
| Accounts receivable..... | 211.30 | 4,845.31 | 290.63 | 3,731.10 | 10,700.96 |
| Inventories..... | | 1,113.27 | | | 3,562.98 |
| Sinking fund on local debentures... | | | | | |
| Equity in H-E.P.C. systems..... | 10,093.35 | 58,101.13 | 5,100.27 | 25,866.17 | 49,150.47 |
| Other assets..... | | 607.00 | | | |
| Total assets..... | 38,387.17 | 179,457.56 | 14,600.94 | 79,392.77 | 262,638.78 |
| Deficit..... | | | | | |
| Total..... | 38,387.17 | 179,457.56 | 14,600.94 | 79,392.77 | 262,638.78 |
| LIABILITIES | | | | | |
| Debenture balance..... | 6,053.94 | 24,250.57 | 2,829.93 | 7,995.22 | 93,441.20 |
| Accounts payable..... | | 2,655.90 | | 1,973.33 | 7,259.53 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 75.00 | 607.00 | | | 20,244.27 |
| Total liabilities..... | 6,128.94 | 27,513.47 | 2,829.93 | 9,968.55 | 120,945.00 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 10,093.35 | 58,101.13 | 5,100.27 | 25,866.17 | 49,150.47 |
| For depreciation..... | 5,061.97 | 26,730.46 | 2,805.33 | 8,646.12 | 30,837.14 |
| Other reserves..... | | 462.12 | | 300.00 | 1,424.82 |
| Total reserves..... | 15,155.32 | 85,293.71 | 7,905.60 | 34,812.29 | 81,412.43 |
| SURPLUS | | | | | |
| Debentures paid..... | 8,576.08 | 25,749.43 | 2,407.07 | 9,004.78 | 52,558.80 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 8,526.83 | 40,900.95 | 1,458.34 | 25,607.15 | 7,722.55 |
| Total surplus..... | 17,102.91 | 66,650.38 | 3,865.41 | 34,611.93 | 60,281.35 |
| Total liabilities, reserves and surplus. | 38,387.17 | 179,457.56 | 14,600.94 | 79,392.77 | 262,638.78 |
| Percentage of net debt to total assets | 21.7 | 22.3 | 29.8 | 18.6 | 52.9 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Port Credit 1,650 | Port Dalhousie 1,331 | Port Dover 1,680 | Port Rowan 674 | Port Stanley 723 | Preston 6,138 | Princeton P.V. | Queenston P.V. |
|-------------------------|----------------------------|------------------------|----------------------|------------------------|--------------------|-------------------|-------------------|
| \$ c. 675.00 | \$ c. | \$ c. 248.75 | \$ c. | \$ c. 1,570.80 | \$ c. 50,602.15 | \$ c. | \$ c. |
| 24,693.75 | 18,560.05 | 29,878.70 | 9,650.37 | 20,483.81 | 90,548.28 | 4,228.15 | 7,594.07 |
| 9,881.98 | 9,272.89 | 10,285.81 | 1,676.62 | 11,456.32 | 47,835.53 | 2,473.48 | 1,911.85 |
| 9,266.13 | 9,380.26 | 6,959.06 | 1,815.68 | 9,348.18 | 38,805.22 | 1,223.65 | 1,536.99 |
| 4,922.71 | 1,041.19 | 2,621.53 | 888.04 | 1,619.18 | 5,418.03 | 185.35 | 422.43 |
| 880.99 | 2,304.88 | 2,418.27 | 701.53 | 5,795.39 | 6,948.89 | 64.35 | 2,081.11 |
| | 6,018.38 | | | 577.51 | 32,126.75 | | |
| 50,320.56 | 46,577.65 | 52,412.12 | 14,732.24 | 50,851.19 | 272,284.85 | 8,174.98 | 13,546.45 |
| 3,030.30 | 1,564.01 | 4,526.71 | 86.36 | 3,532.64 | 16,822.25 | 2,211.42 | 132.20 |
| 1,806.68 | 3,000.00 | | | 3,000.00 | 6,000.00 | | |
| | 2,472.02 | 3,167.51 | 256.29 | 1,359.00 | 15,974.69 | 1,030.52 | 269.27 |
| | 2,763.77 | | | | 225.63 | | |
| 19,681.98 | 16,815.86 | 12,733.61 | 3,408.20 | 22,072.23 | 155,142.27 | 4,534.68 | 3,708.42 |
| 402.42 | | | | | | | |
| 75,241.94 | 73,193.31 | 72,839.95 | 18,483.09 | 80,815.06 | 466,449.69 | 15,951.60 | 17,656.34 |
| | | | 6,119.26 | | | | |
| 75,241.94 | 73,193.31 | 72,839.95 | 24,602.35 | 80,815.06 | 466,449.69 | 15,951.60 | 17,656.34 |
| 8,150.07 | 9,830.08 | 10,502.73 | 8,914.18 | 7,406.13 | 51,651.54 | 1,918.27 | 5,635.49 |
| 2,886.10 | 187.03 | 3,517.26 | 8,410.10 | 655.00 | 6,720.30 | 110.75 | 38.97 |
| 370.00 | | 642.50 | | 30.01 | 1,317.94 | | |
| 11,406.17 | 10,017.11 | 14,662.49 | 17,324.28 | 8,091.14 | 59,689.78 | 2,029.02 | 5,674.46 |
| 19,681.98 | 16,815.86 | 12,733.61 | 3,408.20 | 22,072.23 | 155,142.27 | 4,534.68 | 3,708.42 |
| 13,033.01 | 4,352.20 | 7,809.93 | 1,784.05 | 9,232.04 | 93,620.87 | 2,287.98 | 2,540.45 |
| 198.71 | 800.00 | | | | 103.59 | | |
| 32,913.70 | 21,968.06 | 20,543.54 | 5,192.25 | 31,304.27 | 248,866.73 | 6,822.66 | 6,248.87 |
| 6,349.93 | 12,669.92 | 18,497.27 | 2,085.82 | 11,543.87 | 101,148.46 | 1,631.73 | 3,864.51 |
| 24,572.14 | 2,763.77 | | | | | | |
| | 25,774.45 | 19,136.65 | | 29,875.78 | 56,744.72 | 5,468.19 | 1,868.50 |
| 30,922.07 | 41,208.14 | 37,633.92 | 2,085.82 | 41,419.65 | 157,893.18 | 7,099.92 | 5,733.01 |
| 75,241.94 | 73,193.31 | 72,839.95 | 24,602.35 | 80,815.06 | 466,449.69 | 15,951.60 | 17,656.34 |
| 20.5 | 13.5 | 24.4 | 114.9 | 13.8 | 19.2 | 17.8 | 40.7 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality | Richmond Hil 1,270 | Ridgetown 1,942 | Riverside 5,125 | Rockwood P.V. | Rodney 757 |
|---|--------------------------|--------------------|--------------------|------------------|---------------|
| Population | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | | | 2,379.31 | 79.00 | |
| Substation equipment | 600.00 | 1,024.24 | | | |
| Distribution system—overhead | 10,471.67 | 21,427.18 | 90,947.15 | 7,565.39 | 11,203.12 |
| Distribution system—underground | | | | | |
| Line transformers | 7,803.75 | 9,768.42 | 31,354.96 | 2,481.27 | 2,971.48 |
| Meters | 4,754.84 | 9,403.96 | 22,650.71 | 2,802.39 | 3,527.15 |
| Street light equipment, regular | 1,334.77 | 3,533.41 | | 561.22 | 622.69 |
| Street light equipment, ornamental | | 1,431.73 | 17,030.71 | | |
| Miscellaneous construction expense | 35.23 | 2,379.28 | 4,571.45 | 455.65 | 771.10 |
| Steam or hydraulic plant | | | | | |
| Old plant | | 5,088.46 | | | 700.00 |
| Other plants not distributed | | | | | |
| Total plant | 25,000.26 | 54,056.68 | 168,934.29 | 13,944.92 | 19,795.54 |
| Bank and cash balance | 4,388.52 | 50.00 | | | 1,774.92 |
| Securities and investments | | 13,000.00 | | | 3,000.00 |
| Accounts receivable | 2,574.51 | 574.08 | 9,101.58 | 140.79 | 421.61 |
| Inventories | 149.92 | 870.21 | | 114.98 | |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 8,304.53 | 23,153.15 | 43,095.44 | 6,373.61 | 6,962.59 |
| Other assets | | | | 43.15 | |
| Total assets | 40,417.74 | 91,704.12 | 221,131.31 | 20,617.45 | 31,954.66 |
| Deficit | | | | | |
| Total | 40,417.74 | 91,704.12 | 221,131.31 | 20,617.45 | 31,954.66 |
| LIABILITIES | | | | | |
| Debenture balance | 4,153.98 | 6,395.74 | 53,888.22 | 2,345.00 | 5,332.25 |
| Accounts payable | 234.61 | 1,491.11 | 3,945.89 | | 394.84 |
| Bank overdraft | | 2,378.61 | 1,550.98 | 17.62 | |
| Other liabilities | 127.22 | 335.00 | 17,030.71 | 41.00 | 140.00 |
| Total liabilities | 4,515.81 | 10,600.46 | 76,415.80 | 2,403.62 | 5,867.09 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 8,304.53 | 23,153.15 | 43,095.44 | 6,373.61 | 6,962.59 |
| For depreciation | 1,319.76 | 10,897.16 | 25,990.34 | 4,144.31 | 1,682.26 |
| Other reserves | | | 299.70 | | |
| Total reserves | 9,624.29 | 34,050.31 | 69,385.48 | 10,517.92 | 8,644.85 |
| SURPLUS | | | | | |
| Debentures paid | 8,046.02 | 13,060.25 | 28,611.78 | 2,155.00 | 3,167.75 |
| Local sinking fund | | | | | |
| Operating surplus | 18,231.62 | 33,993.10 | 46,718.25 | 5,540.91 | 14,274.97 |
| Total surplus | 26,277.64 | 47,053.35 | 75,330.03 | 7,695.91 | 17,442.72 |
| Total liabilities, reserves and surplus | 40,417.74 | 91,704.12 | 221,131.31 | 20,617.45 | 31,954.66 |
| Percentage of net debt to total assets | 14.1 | 13.6 | 36.8 | 16.9 | 23.5 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| St. Catharines 26,192 | St. Clair Beach | St. George P.V. | St. Jacobs P.V. | St. Marys 4,016 | St. Thomas 16,275 | Sandwich 11,017 |
|--------------------------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 47,378.92 | | | | 3,000.00 | 73,253.59 | 541.70 |
| 115,063.83 | | | | 26,975.49 | 110,241.39 | 4,097.56 |
| 207,545.05 | 7,918.75 | 5,935.34 | 6,461.28 | 56,424.90 | 111,816.38 | 107,887.10 |
| | | | | | 36,690.67 | |
| 141,812.77 | 2,726.36 | 2,729.42 | 2,539.38 | 18,843.29 | 53,685.43 | 47,269.29 |
| 88,567.66 | 1,443.71 | 2,890.56 | 2,662.28 | 22,018.71 | 68,100.59 | 50,421.88 |
| 18,485.98 | | 286.41 | 390.26 | 5,074.74 | 21,259.32 | 11,665.76 |
| 29,486.71 | | | | | 3,693.04 | 51,239.13 |
| 38,196.14 | 149.27 | 374.18 | 460.55 | 3,790.51 | 9,527.13 | 7,938.60 |
| | | | | | | |
| 7,792.05 | | | | 20,696.85 | | 4,148.96 |
| | | | | | | |
| 694,329.11 | 12,238.09 | 12,215.91 | 12,513.75 | 156,824.49 | 488,267.54 | 285,209.98 |
| | | | | | | |
| 2,678.62 | | 73.10 | 21.37 | 25.00 | 18,521.87 | 2,295.07 |
| | | | 3,000.00 | | 47,758.42 | 21,659.37 |
| 34,500.84 | 1,174.22 | 289.61 | 59.96 | 3,103.68 | 16,627.27 | 18,487.21 |
| 474.38 | | 24.48 | | 3,087.90 | 8,962.59 | 393.72 |
| 68,010.06 | | | | 1,375.88 | | |
| 290,602.66 | 3,600.11 | 7,663.23 | 7,966.38 | 76,957.11 | 264,228.94 | 125,752.20 |
| | | | | | | 20,693.14 |
| | | | | | | |
| 1,090,595.67 | 17,012.42 | 20,266.33 | 23,561.46 | 241,374.06 | 844,366.63 | 474,490.69 |
| | | | | 215.82 | | |
| | | | | | | |
| 1,090,595.67 | 17,012.42 | 20,266.33 | 23,561.46 | 241,589.88 | 844,366.63 | 474,490.69 |
| | | | | | | |
| 209,961.24 | 3,663.73 | 3,344.03 | 1,759.45 | 40,839.90 | 27,957.27 | 97,856.41 |
| 24,896.78 | 237.29 | | 392.27 | 2,099.66 | 4.60 | |
| 14,000.00 | 345.67 | | | 1,689.09 | | |
| 29,792.71 | | 87.50 | | 117.50 | 12,188.74 | 82,478.25 |
| | | | | | | |
| 278,650.73 | 4,246.69 | 3,431.53 | 2,151.72 | 44,746.15 | 40,150.61 | 180,334.66 |
| | | | | | | |
| | | | | | | |
| 290,602.66 | 3,600.11 | 7,663.23 | 7,966.38 | 76,957.11 | 264,228.94 | 125,752.20 |
| 133,334.99 | 2,298.68 | 1,874.75 | 2,758.05 | 44,444.57 | 97,309.67 | 37,335.30 |
| 7,047.10 | 12.67 | | | 659.05 | 487.21 | |
| | | | | | | |
| 430,984.75 | 5,911.46 | 9,537.98 | 10,724.43 | 122,060.73 | 362,025.82 | 163,087.50 |
| | | | | | | |
| | | | | | | |
| 92,061.67 | 2,677.72 | 2,655.97 | 4,240.55 | 73,407.12 | 110,986.80 | 47,716.62 |
| 68,010.06 | | | | 1,375.88 | | |
| 220,888.46 | 4,176.55 | 4,640.85 | 6,444.76 | | 331,203.40 | 83,351.91 |
| | | | | | | |
| 380,960.19 | 6,854.27 | 7,296.82 | 10,685.31 | 74,783.00 | 442,190.20 | 131,068.53 |
| | | | | | | |
| 1,090,595.67 | 17,012.42 | 20,266.33 | 23,561.46 | 241,589.88 | 844,366.63 | 474,490.69 |
| | | | | | | |
| 32.3 | 31.6 | 27.2 | 13.8 | 26.6 | 6.3 | 43.4 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Sarnia | Scarboro' Twp. | Seaforth | Simcoe | Spring- field 379 |
|---|--------------|-------------------|------------|------------|-------------------------|
| Population..... | 17,801 | | 1,692 | 5,397 | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 111,796.86 | 16,585.49 | 1,290.34 | 8,442.41 | |
| Substation equipment..... | 199,300.27 | 301.95 | 5,999.16 | 22,906.67 | |
| Distribution system—overhead... | 214,746.25 | 269,600.83 | 28,114.36 | 50,178.74 | 7,872.62 |
| Distribution system—underground | | | | 1,417.87 | |
| Line transformers..... | 79,089.95 | 59,762.65 | 9,670.10 | 24,481.89 | 2,374.19 |
| Meters..... | 71,879.72 | 63,913.90 | 8,749.87 | 24,074.70 | 1,981.74 |
| Street light equipment, regular... | 25,306.78 | 19,810.03 | 1,414.55 | 5,589.97 | 546.24 |
| Street light equipment, ornamental | 7,482.11 | | | 3,500.00 | |
| Miscellaneous construction expense | 24,057.28 | 12,685.69 | 574.76 | 6,016.27 | 691.36 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 55,445.72 | | | 927.92 | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 789,104.94 | 442,660.54 | 55,813.14 | 147,536.44 | 13,466.15 |
| Bank and cash balance..... | 2,683.40 | 32,297.54 | 2,455.26 | 8,571.22 | 62.84 |
| Securities and investments..... | | | 100.00 | | 4,500.00 |
| Accounts receivable..... | 41,545.26 | 13,062.13 | 5,728.70 | 2,564.49 | 851.04 |
| Inventories..... | 19,011.08 | | 2,362.54 | 112.00 | |
| Sinking fund on local debentures... | | | | | |
| Equity in H-E.P.C. systems..... | 328,029.30 | 84,438.89 | 37,447.48 | 49,310.53 | 5,308.21 |
| Other assets..... | 3,520.00 | | | | |
| Totals assets..... | 1,183,893.98 | 572,459.10 | 103,907.12 | 208,094.68 | 24,188.24 |
| Deficit..... | | | | | |
| Total..... | 1,183,893.98 | 572,459.10 | 103,901.12 | 208,094.68 | 24,188.24 |
| LIABILITIES | | | | | |
| Debenture balance..... | 129,466.79 | 219,448.13 | | 54,937.81 | 3,610.93 |
| Accounts payable..... | 22,802.79 | 26,383.30 | 316.44 | 591.45 | 65.49 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 13,391.67 | 25,952.79 | 35.00 | 3,625.00 | 52.00 |
| Total liabilities..... | 165,661.25 | 271,784.22 | 351.44 | 59,154.26 | 3,728.42 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 328,029.30 | 84,438.89 | 37,447.48 | 49,310.53 | 5,308.21 |
| For depreciation..... | 116,801.40 | 63,544.07 | 18,367.28 | 18,402.37 | 2,330.06 |
| Other reserves..... | 944.69 | 4,202.94 | 1,106.96 | | |
| Total reserves..... | 445,775.39 | 152,185.90 | 56,921.72 | 67,712.90 | 7,638.27 |
| SURPLUS | | | | | |
| Debentures paid..... | 208,533.21 | 71,120.15 | 25,000.00 | 20,497.09 | 5,889.07 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 363,924.13 | 77,368.83 | 21,633.96 | 60,730.43 | 6,932.48 |
| Total surplus..... | 572,457.34 | 148,488.98 | 46,633.96 | 81,227.52 | 12,821.55 |
| Total liabilities, reserves and surplus | 1,183,893.98 | 572,459.10 | 103,907.12 | 208,094.68 | 24,188.24 |
| Percentage of net debt to total assets | 18.0 | 55.7 | 0.5 | 35.7 | 19.7 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Stamford Twp. | Stouffville 1,105 | Stratford 18,869 | Strathroy 2,879 | Sutton 809 | Tavistock 1,042 | Tecumseh 2,546 | Thames- ford P.V. |
|------------------|----------------------|---------------------|--------------------|---------------|--------------------|-------------------|-------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 7,196.71 | | 135,191.94 | 8,741.01 | | 234.02 | | |
| 37,384.60 | | 136,903.19 | 22,194.32 | | | | |
| 124,563.22 | 12,608.07 | 153,378.90 | 48,919.46 | 19,752.18 | 13,273.34 | 34,572.41 | 7,691.45 |
| 43,451.31 | 3,903.57 | 93,765.92 | 19,238.16 | 6,797.85 | 6,251.28 | 10,039.18 | 2,625.63 |
| 30,693.29 | 4,108.78 | 85,894.94 | 14,441.11 | 5,633.71 | 4,786.61 | 10,501.08 | 2,549.77 |
| 9,191.78 | 1,445.52 | 21,797.39 | 5,814.75 | 1,571.88 | 931.82 | | 290.65 |
| | | | | | | 4,760.95 | |
| 10,164.65 | 497.41 | 17,534.24 | 2,293.90 | 1,593.88 | 586.46 | 1,262.48 | 343.89 |
| 13,743.66 | 3,866.37 | 16,150.00 | 12,343.15 | 675.00 | | | |
| 276,389.22 | 26,429.72 | 660,616.52 | 133,985.86 | 36,024.50 | 26,063.53 | 61,136.10 | 13,501.39 |
| 4,654.19 | 4,165.17 | 30,599.19 | 8,514.85 | 2,403.39 | 854.69 | | 626.47 |
| | 5,000.00 | 21,900.00 | | | 3,596.30 | | 7,500.00 |
| 14,089.24 | 439.03 | 29,556.48 | 3,546.01 | 1,385.47 | 766.81 | 2,886.87 | |
| 7,185.81 | 27.20 | 9,679.56 | 2,536.70 | 21.00 | | | |
| | | 209,445.54 | | | | | |
| 48,099.73 | 7,758.09 | 341,228.19 | 47,541.31 | 7,140.47 | 24,238.67 | 13,344.22 | 9,606.22 |
| 5,170.62 | | 2,283.71 | 541.59 | | | | 34.00 |
| 355,588.81 | 43,819.21 | 1,305,309.19 | 196,666.32 | 46,974.83 | 55,520.00 | 77,367.19 | 31,268.08 |
| 355,588.81 | 43,819.21 | 1,305,309.19 | 196,666.32 | 46,974.83 | 55,520.00 | 77,367.19 | 31,268.08 |
| 171,033.87 | 6,628.45 | 412,000.00 | 34,437.54 | 16,291.56 | 3,666.42 | 14,789.20 | 1,662.13 |
| 10,205.15 | | 54.64 | 192.76 | 2,266.91 | 105.83 | 3,250.03 | 76.48 |
| | | | | | | 3,928.24 | |
| 4,073.36 | | 2,283.71 | 541.59 | 47.30 | | 4,760.95 | 34.00 |
| 185,312.38 | 6,628.45 | 414,338.35 | 35,171.89 | 18,605.77 | 3,772.25 | 26,728.42 | 1,772.61 |
| 48,099.73 | 7,758.09 | 341,228.19 | 47,541.31 | 7,140.47 | 24,238.67 | 13,344.22 | 9,606.22 |
| 23,104.62 | 2,075.19 | 208,434.19 | 21,936.81 | 4,860.12 | 7,536.71 | 10,279.95 | 4,517.18 |
| 2,375.00 | | 2,024.65 | 522.15 | | | 214.95 | |
| 73,579.35 | 9,833.28 | 551,687.03 | 70,000.27 | 12,000.59 | 31,775.38 | 23,839.12 | 14,123.40 |
| 69,244.30 | 11,911.82 | 43,800.00 | 31,794.46 | 9,708.44 | 2,333.58 | 11,210.80 | 3,695.90 |
| | | 209,445.54 | | | | | |
| 27,452.78 | 15,445.66 | 86,038.27 | 59,699.70 | 6,660.03 | 17,638.79 | 15,588.85 | 11,676.17 |
| 96,697.08 | 27,357.48 | 339,283.81 | 91,494.16 | 16,368.47 | 19,972.37 | 26,799.65 | 15,372.07 |
| 355,588.81 | 43,819.21 | 1,305,309.19 | 196,666.32 | 46,974.83 | 55,520.00 | 77,367.19 | 31,268.08 |
| 60.2 | 18.4 | 27.2 | 23.3 | 46.7 | 12.1 | 37.0 | 8.0 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality | Thames- ville 754 | Thedford | Thorndale | Thorold | Tilbury |
|---|-------------------------|--------------|--------------|--------------|--------------|
| Population | 754 | 577 | P.V. | 5,068 | 1,996 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | 681.69 | | | 9,892.59 | 969.46 |
| Substation equipment | | | | | |
| Distribution system—overhead | 11,902.59 | 9,228.39 | 3,288.86 | 31,057.12 | 16,006.41 |
| Distribution system—underground | | | | | |
| Line transformers | 5,160.49 | 3,303.91 | 1,559.98 | 15,052.83 | 12,699.77 |
| Meters | 3,827.61 | 2,206.01 | 1,747.46 | 20,502.73 | 7,440.92 |
| Street light equipment, regular | 1,379.42 | 885.46 | 181.19 | 2,811.59 | 1,001.16 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 895.68 | 1,612.01 | 310.45 | 4,982.45 | 1,426.82 |
| Steam or hydraulic plant | | | | 13,244.74 | |
| Old plant | 4,445.68 | 433.78 | | | 3,049.47 |
| Other plants not distributed | | | | | |
| Total plant | 28,293.16 | 17,669.56 | 7,087.94 | 97,544.05 | 42,594.01 |
| Bank and cash balance | 2,570.77 | 410.78 | 438.88 | 4,720.68 | 3,460.87 |
| Securities and investments | 6,000.00 | 1,000.00 | | | 10,000.00 |
| Accounts receivable | 576.54 | 580.65 | 605.86 | 4,122.89 | 289.13 |
| Inventories | | | | 152.13 | |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 9,545.28 | 4,809.74 | 5,154.87 | 45,966.73 | 24,728.27 |
| Other assets | | | | | 150.02 |
| Total assets | 46,985.75 | 24,470.73 | 13,287.55 | 152,506.48 | 81,222.30 |
| Deficit | | | | | |
| Total | 46,985.75 | 24,470.73 | 13,287.55 | 152,506.48 | 81,222.30 |
| LIABILITIES | | | | | |
| Debenture balance | 4,169.01 | 8,933.05 | 1,433.12 | | 6,661.95 |
| Accounts payable | 11.97 | 61.82 | | 152.24 | 325.40 |
| Bank overdraft | | | | | |
| Other liabilities | 178.00 | 10.00 | 17.50 | 1,559.50 | |
| Total liabilities | 4,358.98 | 9,004.87 | 1,450.62 | 1,711.74 | 6,987.35 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 9,545.28 | 4,809.74 | 5,154.87 | 45,966.73 | 24,728.27 |
| For depreciation | 6,125.55 | 2,086.53 | 2,636.99 | 23,997.30 | 10,340.80 |
| Other reserves | | | 100.00 | | |
| Total reserves | 15,670.83 | 6,896.27 | 7,891.86 | 69,964.03 | 35,069.07 |
| SURPLUS | | | | | |
| Debentures paid | 7,018.79 | 7,566.95 | 1,653.36 | 5,000.00 | 7,338.05 |
| Local sinking fund | | | | | |
| Operating surplus | 19,937.15 | 1,002.64 | 2,291.71 | 75,830.71 | 31,827.83 |
| Total surplus | 26,955.94 | 8,569.59 | 3,945.07 | 80,830.71 | 39,165.88 |
| Total liabilities, reserves and surplus | 46,985.75 | 24,470.73 | 13,287.55 | 152,506.48 | 81,222.30 |
| Percentage of net debt to total assets | 11.6 | 45.8 | 17.8 | 1.6 | 12.4 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Tillson- burg 3,351 | Toronto 626,674 | Toronto Twp. | Trafalgar Twp. Area No. 1 | Trafalgar Twp. Area No. 2 | Walkerville 10,681 | Wallaceburg 4,343 |
|---------------------------|--------------------|-----------------|---------------------------------|---------------------------------|-----------------------|----------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 4,824.27 | 5,400,813.30 | 6,366.13 | | | 147,518.53 | 37,746.29 |
| 13,937.52 | 14,971,090.50 | | | | 155,069.52 | 9,651.80 |
| 41,024.22 | 6,227,078.98 | 175,307.49 | 20,294.72 | 10,456.48 | 153,627.02 | 55,679.80 |
| | 4,085,067.76 | | | | | |
| 16,761.20 | 3,561,045.50 | 49,332.62 | 9,595.46 | 2,071.55 | 90,713.78 | 34,773.82 |
| 15,824.40 | 2,974,114.67 | 31,681.48 | 4,741.17 | 1,309.65 | 69,783.88 | 19,637.22 |
| 11,522.52 | 480,484.65 | 3,717.44 | | | | 10,224.10 |
| | | | | | 187,172.22 | |
| 4,570.72 | 2,617,154.43 | 3,139.02 | 1,541.60 | 314.16 | 38,538.32 | 4,078.20 |
| | 3,585,379.99 | 619.65 | | | 18,335.05 | 20,941.07 |
| | | | | | | |
| 108,464.85 | 43,902,229.78 | 270,163.83 | 36,172.95 | 14,151.84 | 860,758.32 | 192,732.30 |
| 540.39 | 387,096.74 | 6,335.94 | 1,299.64 | | 50.00 | 8,947.86 |
| 9,000.00 | | 10,000.00 | 4,000.00 | 2,000.00 | 31,119.99 | |
| 2,375.17 | 1,614,289.78 | 8,641.64 | 572.86 | 294.10 | 107,974.17 | 3,691.60 |
| 1,801.45 | 526,939.00 | | | | 25,442.15 | 5,636.29 |
| | 6,121,128.19 | | | | | |
| 47,955.04 | 10,262,345.03 | 48,982.20 | | | 356,447.26 | 102,741.31 |
| 2,506.02 | 75,259.49 | 2,091.46 | | | 841.35 | 1,750.57 |
| | | | | | | |
| 172,642.92 | 62,889,288.01 | 346,215.07 | 42,045.45 | 16,445.94 | 1,382,633.24 | 315,499.93 |
| | | | | | | |
| 172,642.92 | 62,889,288.01 | 346,215.07 | 42,045.45 | 16,445.94 | 1,382,633.24 | 315,499.93 |
| | | | | | | |
| 10,138.34 | 26,457,233.36 | 60,920.24 | 12,614.82 | 9,461.15 | 137,772.89 | 44,546.15 |
| 28.51 | 1,692,448.39 | | | | 22,305.24 | 701.54 |
| | | | | 354.61 | 38,468.33 | |
| 2,506.02 | | 2,091.46 | | | 205,072.72 | 1,750.57 |
| | | | | | | |
| 12,672.87 | 28,149,681.75 | 63,011.70 | 12,614.82 | 9,815.76 | 403,619.18 | 46,998.26 |
| | | | | | | |
| 47,955.04 | 10,262,345.03 | 48,982.20 | | | 356,447.26 | 102,741.31 |
| 29,731.07 | 7,214,466.03 | 85,258.17 | 12,046.67 | 1,193.00 | 125,031.63 | 37,584.12 |
| 500.00 | 968,096.82 | 862.42 | | | 3,454.62 | 287.99 |
| | | | | | | |
| 78,186.11 | 18,444,907.88 | 135,102.79 | 12,046.67 | 1,193.00 | 484,933.51 | 140,613.42 |
| | | | | | | |
| 25,861.66 | 8,125,766.64 | 43,079.76 | 6,811.59 | | 161,486.11 | 26,990.43 |
| | 6,121,128.19 | | | | | |
| 55,922.28 | 2,047,803.55 | 105,020.82 | 10,572.37 | 5,437.18 | 332,594.44 | 100,897.82 |
| | | | | | | |
| 81,783.94 | 16,294,698.38 | 148,100.58 | 17,383.96 | 5,437.18 | 494,080.55 | 127,888.25 |
| | | | | | | |
| 172,642.92 | 62,889,288.01 | 346,215.07 | 42,045.45 | 16,445.94 | 1,382,633.24 | 315,499.93 |
| | | | | | | |
| 10.2 | 47.4 | 20.6 | 3.0 | 59.7 | 25.8 | 21.4 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Wardsville | Water- down 924 | Waterford | Waterloo | Watford |
|--|--------------|-----------------------|--------------|--------------|--------------|
| Population..... | 214 | | 1,168 | 8,563 | 956 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 200.00 | | 14,454.37 | |
| Substation equipment..... | | | | 63,543.83 | |
| Distribution system—overhead... 5,003.72 | 16,056.14 | 15,772.78 | 90,368.32 | 16,452.69 | |
| Distribution system—underground | | | | | |
| Line transformers..... 1,665.49 | 5,391.05 | 7,201.37 | 40,376.31 | 5,411.56 | |
| Meters..... 1,253.12 | 5,594.64 | 5,939.66 | 34,817.28 | 5,200.57 | |
| Street light equipment, regular... 519.36 | 583.81 | 3,231.62 | 14,092.07 | 807.31 | |
| Street light equipment, ornamental | | | 3,106.80 | | |
| Miscellaneous construction expense 518.73 | 411.29 | 447.83 | 6,484.84 | 2,022.23 | |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... 193.94 | | | 24,160.67 | 657.44 | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 9,154.36 | 28,236.93 | 32,593.26 | 291,404.49 | 30,551.80 |
| Bank and cash balance..... | | 2,036.53 | 349.34 | 12,322.16 | 296.16 |
| Securities and investments..... | | | 5,300.00 | | 5,500.00 |
| Accounts receivable..... 974.40 | 1,457.48 | 536.95 | 2,170.24 | 1,097.07 | |
| Inventories..... | | | 375.00 | 30.87 | |
| Sinking fund on local debentures... | | | 11,255.78 | | |
| Equity in H-E.P.C. systems..... 1,876.72 | 13,365.35 | 17,475.90 | 142,961.10 | 11,763.78 | |
| Other assets..... | | | | | |
| Total assets..... | 12,005.48 | 45,096.29 | 56,255.45 | 460,488.77 | 49,239.68 |
| Deficit..... | | | | | |
| Total..... | 12,005.48 | 45,096.29 | 56,255.45 | 460,488.77 | 49,239.68 |
| LIABILITIES | | | | | |
| Debenture balance..... 3,893.41 | | | 52,472.72 | 1,544.99 | |
| Accounts payable..... 200.00 | | 400.59 | 14,654.51 | | |
| Bank overdraft..... 95.95 | | | | | |
| Other liabilities..... | 70.00 | | 3,106.80 | | |
| Total liabilities..... | 4,189.36 | 70.00 | 400.59 | 70,234.03 | 1,544.99 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... 1,876.72 | 13,365.35 | 17,475.90 | 142,961.10 | 11,763.78 | |
| For depreciation..... 1,912.84 | 6,758.54 | 8,962.52 | 93,685.60 | 5,596.64 | |
| Other reserves..... | | | 328.00 | 23.00 | |
| Total reserves..... | 3,789.56 | 20,123.89 | 26,438.42 | 236,974.70 | 17,383.42 |
| SURPLUS | | | | | |
| Debentures paid..... 3,668.99 | 8,000.00 | 7,745.53 | 53,527.28 | 8,168.22 | |
| Local sinking fund..... | | | 11,255.78 | | |
| Operating surplus..... 357.57 | 16,902.40 | 21,670.91 | 88,496.98 | 22,143.05 | |
| Total surplus..... | 4,026.56 | 24,902.40 | 29,416.44 | 153,280.04 | 30,311.27 |
| Total liabilities, reserves and surplus | 12,005.48 | 45,096.29 | 56,255.45 | 460,488.77 | 49,239.68 |
| Percentage of net debt to total assets | 41.4 | 0.2 | 1.0 | 22.1 | 4.1 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Welland 10,668 | Wellesley P.V. | West Lorne 814 | Weston 4,736 | Wheatley 724 | Windsor 65,565 | Wood- bridge 744 | Wood- stock 10,956 |
|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|------------------------|--------------------------|
| 73,059.45 | | | 11,903.31 | | 312,236.33 | | 35,489.71 |
| 56,576.25 | | | 32,737.85 | | 678,250.86 | | 93,838.15 |
| 131,470.15 | 6,691.79 | 11,321.69 | 60,108.79 | 14,843.74 | 754,463.75 | 17,730.00 | 101,168.78 |
| 7,470.91 | | | | | 141,798.67 | | |
| 57,311.64 | 2,153.50 | 4,274.36 | 34,379.30 | 4,443.64 | 343,932.20 | 5,776.33 | 55,243.46 |
| 56,249.15 | 2,464.94 | 3,091.23 | 22,587.91 | 3,887.49 | 329,751.12 | 4,273.32 | 53,949.56 |
| 4,246.63 | 545.11 | 643.57 | 30,041.06 | 1,659.26 | 37,377.41 | 423.26 | 15,068.12 |
| 36,513.75 | | | | | 693,788.56 | | |
| 10,839.08 | 127.38 | 347.14 | 6,313.68 | 803.82 | 125,740.85 | 817.20 | 2,794.78 |
| 50,069.48 | | 1,250.00 | | 2,569.50 | 141,990.11 | | |
| 483,806.49 | 11,982.72 | 20,927.99 | 198,071.90 | 28,207.45 | 3,559,329.86 | 28,020.11 | 357,552.56 |
| 4,340.71 | 320.32 | 873.55 | 5,694.61 | 3,506.13 | 33,060.24 | 357.47 | 26,166.79 |
| 30,458.65 | | 3,000.00 | | 1,500.00 | 112,463.80 | | 86,000.00 |
| 20,702.86 | 51.17 | 328.80 | 8,966.00 | 227.83 | 133,422.84 | 848.05 | 3,069.91 |
| 17,893.73 | | | 165.00 | | 84,923.23 | 18.36 | 374.63 |
| 108,771.53 | | | | | 120,519.10 | | 50,999.37 |
| 148,814.76 | 9,904.27 | 16,699.36 | 125,872.53 | 6,384.47 | 1,056,217.61 | 16,082.48 | 210,352.26 |
| 5,169.65 | | | | | | | 5,564.39 |
| 819,958.38 | 22,258.48 | 41,829.70 | 338,770.04 | 39,825.88 | 5,099,936.68 | 45,326.47 | 740,079.91 |
| 819,958.38 | 22,258.48 | 41,829.70 | 338,770.04 | 39,825.88 | 5,099,936.68 | 45,326.47 | 740,079.91 |
| 257,249.38 | 1,747.84 | 5,145.27 | 38,410.61 | 8,199.66 | 1,334,783.01 | 5,040.43 | 75,894.20 |
| 44,521.42 | 444.93 | 103.59 | | 353.07 | 65,350.00 | 3,052.14 | 4,589.08 |
| 43,233.20 | | | 2,155.46 | 35.00 | 750,036.31 | 240.09 | 5,564.39 |
| 345,004.00 | 2,192.77 | 5,248.86 | 40,566.07 | 8,587.73 | 2,150,169.32 | 8,332.66 | 86,047.67 |
| 148,814.76 | 9,904.27 | 16,699.36 | 125,872.53 | 6,384.47 | 1,056,217.61 | 16,082.48 | 210,352.26 |
| 112,923.96 | 2,168.34 | 5,783.14 | 30,625.81 | 2,929.42 | 395,106.44 | 6,628.66 | 125,853.55 |
| 2,404.87 | | | | | 138,012.99 | | 13,134.05 |
| 264,143.59 | 12,072.61 | 22,482.50 | 156,498.34 | 9,313.89 | 1,589,337.04 | 22,711.14 | 349,339.86 |
| 41,750.62 | 5,752.16 | 2,854.73 | 31,621.83 | 4,800.34 | 655,217.02 | 3,459.54 | 51,491.43 |
| 108,771.53 | | | | | 120,519.10 | | 50,999.37 |
| 60,288.64 | 2,240.94 | 11,243.61 | 110,083.80 | 17,123.92 | 584,694.20 | 10,823.13 | 202,201.58 |
| 210,810.79 | 7,993.10 | 14,098.34 | 141,705.63 | 21,924.26 | 1,360,430.32 | 14,282.67 | 304,692.38 |
| 819,958.38 | 22,258.48 | 41,829.70 | 338,770.04 | 39,825.88 | 5,099,936.68 | 45,326.47 | 740,079.91 |
| 48.6 | 17.7 | 20.8 | 19.0 | 25.7 | 43.4 | 28.5 | 6.2 |

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Concluded

| Municipality..... | Wyoming | York Twp. | Zurich | NIAGARA SYSTEM SUMMARY |
|--|--------------|--------------|--------------|------------------------------|
| Population..... | 482 | | P.V. | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | 8,824,114.16 |
| Substation equipment..... | | | | 20,837,708.34 |
| Distribution system—overhead..... | 7,336.07 | 772,073.02 | 6,932.37 | 16,955,410.84 |
| Distribution system—underground..... | | | | 5,556,486.79 |
| Line transformers..... | 1,257.61 | | 1,643.52 | 8,154,866.70 |
| Meters..... | 2,311.10 | | 2,270.21 | 6,936,257.77 |
| Street light equipment, regular..... | 289.62 | 49,765.60 | 471.82 | 1,744,843.70 |
| Street light equipment, ornamental..... | | | | 1,458,443.68 |
| Miscellaneous construction expense..... | 805.20 | 19,070.96 | 240.77 | 3,663,846.72 |
| Steam or hydraulic plant..... | | | | 13,244.74 |
| Old plant..... | | | 150.00 | 4,403,238.16 |
| Other plants not distributed..... | | | | 200,000.00 |
| Total plant..... | 11,999.60 | 840,909.58 | 11,708.69 | 78,748,461.60 |
| Bank and cash balance..... | 32.20 | 94,214.56 | 1,291.14 | 1,354,901.08 |
| Securities and investments..... | | | 2,000.00 | 735,567.45 |
| Accounts receivable..... | 315.44 | 13,089.47 | 13.86 | 3,182,004.70 |
| Inventories..... | | | | 1,076,929.55 |
| Sinking fund on local debentures..... | | | | 8,016,069.90 |
| Equity in H-E.P.C. systems..... | 4,467.98 | | 7,563.75 | 23,196,330.36 |
| Other assets..... | 45.00 | 19,420.29 | | 249,586.23 |
| Total assets..... | 16,860.22 | 967,633.90 | 22,577.44 | 116,559,850.87 |
| Deficit..... | 2,112.46 | | | 14,494.35 |
| Total..... | 18,972.68 | 967,633.90 | 22,577.44 | 116,574,345.22 |
| LIABILITIES | | | | |
| Debenture balance..... | 1,639.52 | 409,365.43 | 3,742.80 | 38,275,850.97 |
| Accounts payable..... | 307.06 | 32,498.52 | 302.04 | 2,805,142.07 |
| Bank overdraft..... | | | | 154,550.92 |
| Other liabilities..... | 45.00 | | 16.02 | 3,724,456.24 |
| Total liabilities..... | 1,991.58 | 441,863.95 | 4,060.86 | 44,960,000.20 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems..... | 4,467.98 | | 7,563.75 | 23,196,330.36 |
| For depreciation..... | 4,452.64 | 146,967.70 | 4,025.25 | 13,330,347.14 |
| Other reserves..... | | | | 1,589,857.32 |
| Total reserves..... | 8,920.62 | 146,967.70 | 11,589.00 | 38,116,534.82 |
| SURPLUS | | | | |
| Debentures paid..... | 8,060.48 | 190,634.57 | 1,848.81 | 14,911,550.87 |
| Local sinking fund..... | | | | 8,016,069.90 |
| Operating surplus..... | | 188,167.68 | 5,078.77 | 10,570,189.43 |
| Total surplus..... | 8,060.48 | 378,802.25 | 6,927.58 | 33,497,810.20 |
| Total liabilities, reserves and surplus..... | 18,972.68 | 967,633.90 | 22,577.44 | 116,574,345.22 |
| Percentage of net debt to total assets..... | 32.8 | 45.7 | 27.0 | 42.3 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

GEORGIAN BAY
SYSTEM

| Alliston 1,379 | Arthur 1,037 | Barrie 7,455 | Beaverton 960 | Beeton 584 | Bradford 1,009 | Brechin P.V. | Canning- ton 851 |
|-------------------|-----------------|-----------------|------------------|---------------|-------------------|-----------------|------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 675.73 | | 14,199.11 | 299.50 | | | | |
| 26,609.18 | 17,169.34 | 15,279.30 | | 428.50 | 388.50 | | |
| | | 56,509.52 | 20,956.37 | 11,710.00 | 19,057.00 | 1,789.59 | 10,008.17 |
| | | 66,437.67 | | | | | |
| 7,039.73 | 3,961.15 | 42,184.26 | 6,731.49 | 2,188.63 | 4,072.65 | 1,126.71 | 4,156.88 |
| 7,110.66 | 3,382.92 | 40,238.97 | 5,618.48 | 1,931.95 | 3,898.73 | 726.95 | 4,214.51 |
| 1,522.69 | 767.21 | 12,063.80 | 1,173.58 | 1,169.54 | 544.95 | 212.44 | 924.69 |
| | | | | | | | |
| 2,565.49 | 382.26 | 7,612.84 | 2,583.41 | 1,433.38 | 1,828.94 | 546.92 | 644.33 |
| 7,846.49 | 1,086.62 | 42,634.32 | 3,772.42 | | | | 3,609.37 |
| | | | | | | | |
| 53,369.97 | 26,749.50 | 297,159.79 | 41,135.25 | 18,862.00 | 29,790.77 | 4,402.61 | 23,557.95 |
| | | | | | | | |
| 340.90 | 33.57 | 5,087.92 | 1,065.55 | 493.59 | 1,945.87 | 412.38 | 10.00 |
| | | | 9,000.00 | | 1,000.00 | | 1,326.62 |
| 2,475.70 | 215.94 | 12,943.01 | 1,201.13 | 1,186.69 | 2,950.55 | 1,077.07 | 1,768.49 |
| | 10.20 | 94.77 | 17.85 | 11.22 | 22.62 | | 175.92 |
| | | | | | | | |
| 11,295.94 | 10,746.86 | 73,212.70 | 12,230.73 | 8,727.20 | 9,628.32 | 4,761.23 | 9,119.57 |
| | | | | | | | |
| 67,482.51 | 37,756.07 | 388,498.19 | 64,650.51 | 29,280.70 | 45,338.13 | 10,653.29 | 35,958.55 |
| | 11,514.07 | | | 1,590.95 | | | |
| 67,482.51 | 49,270.14 | 388,498.19 | 64,650.51 | 30,871.65 | 45,338.13 | 10,653.29 | 35,958.55 |
| | | | | | | | |
| 25,981.75 | 17,642.69 | 26,798.16 | 6,623.12 | 10,128.17 | 18,182.07 | 2,153.26 | 7,967.85 |
| 93.75 | 2,574.06 | 34,823.65 | 176.25 | 785.80 | 536.57 | 290.87 | 90.57 |
| | | | | | | | 437.82 |
| | | 3.00 | 378.47 | | 175.98 | 21.85 | |
| | | | | | | | |
| 26,075.50 | 20,216.75 | 61,624.81 | 7,177.84 | 10,913.97 | 18,894.62 | 2,465.98 | 8,496.24 |
| | | | | | | | |
| 11,295.94 | 10,746.86 | 73,212.70 | 12,230.73 | 8,727.20 | 9,628.32 | 4,761.23 | 9,119.57 |
| 13,193.34 | 10,949.22 | 59,932.40 | 11,187.92 | 6,358.65 | 7,477.14 | 1,664.18 | 7,378.27 |
| | | 1,100.00 | | | | | |
| | | | | | | | |
| 24,489.28 | 21,696.08 | 134,245.10 | 23,418.65 | 15,085.85 | 17,105.46 | 6,425.41 | 16,497.84 |
| | | | | | | | |
| 14,018.25 | 7,357.31 | 81,201.84 | 8,376.88 | 4,871.83 | 7,017.93 | 1,057.66 | 7,032.15 |
| | | | | | | | |
| 2,899.48 | | 111,426.44 | 25,677.14 | | 2,320.12 | 704.24 | 3,932.32 |
| | | | | | | | |
| 16,917.73 | 7,357.31 | 192,628.28 | 34,054.02 | 4,871.83 | 9,338.05 | 1,761.90 | 10,964.47 |
| | | | | | | | |
| 67,482.51 | 49,270.14 | 388,498.19 | 64,650.51 | 30,871.65 | 45,338.13 | 10,653.29 | 35,958.55 |
| | | | | | | | |
| 46.4 | 74.9 | 19.5 | 13.7 | 53.1 | 52.9 | 41.9 | 31.7 |

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY

SYSTEM—Continued

| | Chats- worth 272 | Chesley 1,789 | Coldwater 626 | Colling- wood 5,783 | Cooks- town P.V. |
|---|------------------------|------------------|------------------|---------------------------|------------------------|
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 221.00 | | 275.00 | 15,950.08 | 60.00 |
| Substation equipment..... | | 595.98 | | 11,203.24 | 392.95 |
| Distribution sustum—overhead... | 4,560.47 | 19,892.45 | 7,675.00 | 47,964.46 | 9,131.52 |
| Distribution system—underground | | | | | |
| Line transformers..... | 1,531.99 | 6,781.32 | 2,779.67 | 17,011.28 | 2,192.62 |
| Meters..... | 1,377.30 | 6,714.58 | 2,932.65 | 22,144.71 | 2,117.12 |
| Street light equipment, regular.... | 529.17 | 1,173.68 | 440.68 | 2,876.90 | 694.21 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 385.90 | 3,264.32 | 173.52 | 6,165.17 | 1,520.03 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 5,503.60 | | | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 8,605.83 | 43,925.93 | 14,276.52 | 123,315.84 | 16,108.45 |
| Bank and cash balance..... | 2,403.79 | 15.00 | 1,544.09 | 100.00 | 3,005.03 |
| Securities and investments..... | | 10,000.00 | 4,000.00 | 27,000.00 | |
| Accounts receivable..... | 374.06 | 2,652.17 | 801.92 | 1,743.73 | 896.20 |
| Inventories..... | 4.90 | 265.49 | | 399.06 | 17.34 |
| Sinking fund on local debentures.. | 3,234.69 | | | | |
| Equity in H-E.P.C. systems..... | 2,277.29 | 18,843.00 | 7,205.13 | 80,932.71 | 2,675.43 |
| Other assets..... | | | | | |
| Total assets..... | 16,900.56 | 75,701.59 | 27,827.66 | 233,491.34 | 22,702.45 |
| Deficit..... | | | | | |
| Total..... | 16,900.56 | 75,701.59 | 27,827.66 | 233,491.34 | 22,702.45 |
| LIABILITIES | | | | | |
| Debenture balance..... | 4,600.09 | 5,030.54 | 3,630.30 | | 6,556.37 |
| Accounts payable..... | 142.95 | 3.40 | 466.72 | | |
| Bank overdraft..... | | 1,850.60 | | 7,285.52 | |
| Other liabilities..... | | | 64.00 | 1,768.70 | |
| Total liabilities..... | 4,743.04 | 6,884.54 | 4,161.02 | 9,054.22 | 6,556.37 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 2,277.29 | 18,843.00 | 7,205.13 | 80,932.71 | 2,675.43 |
| For depreciation..... | 2,786.38 | 13,810.48 | 6,947.36 | 40,788.04 | 5,834.73 |
| Other reserves..... | | | | | |
| Total reserves..... | 5,063.67 | 32,653.48 | 14,152.49 | 121,720.75 | 8,510.16 |
| SURPLUS | | | | | |
| Debentures paid..... | 799.91 | 22,469.46 | 3,369.70 | 42,604.59 | 6,943.63 |
| Local sinking fund..... | 3,234.69 | | | | |
| Operating surplus..... | 3,059.25 | 13,694.11 | 6,144.45 | 60,111.78 | 692.29 |
| Total surplus..... | 7,093.85 | 36,163.57 | 9,514.15 | 102,716.37 | 7,635.92 |
| Total liabilities, reserves and surplus | 16,900.56 | 75,701.59 | 27,827.66 | 233,491.34 | 22,702.45 |
| Percentage of net debt to total assets | 13.2 | 12.1 | 20.2 | 5.9 | 32.7 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Creemore 587 | Dundalk 647 | Durham 1,800 | Elmvale P.V. | Elmwood P.V. | Flesherton 491 | Grand Valley 587 | Graven- hurst 1,830 |
|-----------------|----------------|-----------------|-----------------|-----------------|-------------------|------------------------|---------------------------|
| | | 56.59 | 106.25 | | | 36.50 | 3,526.17 |
| | | 546.02 | 2,273.07 | | | | 5,293.35 |
| 7,291.01 | 7,715.03 | 21,672.38 | 8,248.86 | 4,812.76 | 5,446.88 | 11,341.14 | 25,813.61 |
| 3,171.36 | 3,435.53 | 6,890.62 | 3,959.64 | 803.88 | 1,802.52 | 2,179.63 | 7,330.04 |
| 2,955.37 | 2,494.99 | 6,873.66 | 3,254.07 | 992.73 | 2,183.55 | 2,724.23 | 9,033.70 |
| 295.27 | 1,082.10 | 1,381.46 | 447.17 | 302.28 | 720.51 | 503.83 | 3,904.71 |
| 279.27 | 416.38 | 1,693.58 | 542.13 | 1,093.62 | 934.82 | 205.70 | 2,062.32 |
| 3,433.74 | 380.94 | 2,091.39 | | | | 919.85 | 28,055.29 |
| 17,426.02 | 15,524.97 | 41,205.70 | 18,831.19 | 8,005.27 | 11,088.28 | 17,910.88 | 85,019.19 |
| 288.76 | 229.70 | | 3,204.44 | 1,419.21 | 2,828.68 | 997.89 | 1,703.49 |
| | 3,000.00 | 8,000.00 | | | | 2,128.60 | |
| 508.76 | 38.05 | 2,177.12 | 714.99 | 602.37 | 246.04 | 1,051.91 | 6,428.32 |
| 10.20 | 39.78 | 56.47 | | 8.10 | 19.40 | | 672.99 |
| | | | | 386.40 | | | 7,875.98 |
| 6,686.98 | 6,385.69 | 17,853.68 | 8,963.33 | 2,053.66 | 3,628.75 | 6,573.09 | 11,934.82 |
| 24,920.72 | 25,218.19 | 69,292.97 | 31,713.95 | 12,475.01 | 17,811.15 | 28,662.37 | 113,634.79 |
| 24,920.72 | 25,218.19 | 69,292.97 | 31,713.95 | 12,475.01 | 17,811.15 | 28,662.37 | 113,634.79 |
| 534.79 | 774.06 | 3,243.19 | 3,236.60 | 2,617.46 | 3,716.89 | 2,563.49 | 10,815.64 |
| 1,611.99 | 38.05 | 119.10 | 455.36 | | 66.39 | 30.56 | 4,371.58 |
| | | 1,122.31 | | | | | |
| 2,146.78 | 812.11 | 4,484.60 | 3,691.96 | 2,617.46 | 3,783.28 | 2,594.05 | 15,187.22 |
| 6,686.98 | 6,385.69 | 17,853.68 | 8,963.33 | 2,053.66 | 3,628.75 | 6,573.09 | 11,934.82 |
| 3,195.79 | 3,914.14 | 10,294.40 | 6,646.79 | 2,740.38 | 3,652.07 | 5,220.18 | 16,984.02 |
| | | | | | | | 725.00 |
| 9,882.77 | 10,299.83 | 28,148.08 | 15,610.12 | 4,794.04 | 7,280.82 | 11,793.27 | 29,643.84 |
| 5,965.21 | 5,562.84 | 22,556.81 | 3,763.40 | 4,582.54 | 2,983.11 | 8,436.51 | 53,152.77 |
| | | | | 386.40 | | | 7,875.98 |
| 6,925.96 | 8,543.41 | 14,103.48 | 8,648.47 | 94.57 | 3,763.94 | 5,838.54 | 7,774.98 |
| 12,891.17 | 14,106.25 | 36,660.29 | 12,411.87 | 5,063.51 | 6,747.05 | 14,275.05 | 68,803.73 |
| 24,920.72 | 25,218.19 | 69,292.97 | 31,713.95 | 12,475.01 | 17,811.15 | 28,662.37 | 113,634.79 |
| 11.8 | 4.3 | 8.7 | 16.2 | 22.2 | 26.7 | 11.7 | 14.9 |

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

| Municipality..... | Hanover | Holstein | Huntsville | Kincardine | Kirkfield |
|--|--------------|--------------|--------------|--------------|--------------|
| Population..... | 3,036 | P.V. | 2,507 | 2,429 | P.V. |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 3,001.32 | | 353.52 | 6,389.46 | |
| Substation equipment..... | 9,271.19 | | 647.30 | 2,794.20 | |
| Distribution system—overhead..... | 48,940.62 | 2,102.68 | 13,139.83 | 42,159.41 | 5,113.67 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 17,109.90 | 571.82 | 6,767.62 | 10,712.42 | 557.90 |
| Meters..... | 15,506.91 | 514.82 | 8,673.71 | 10,492.19 | 701.85 |
| Street light equipment, regular..... | 2,326.30 | 168.69 | 2,262.52 | 5,200.12 | 379.00 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 5,267.64 | 205.93 | 566.45 | 5,320.59 | 301.53 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 2,370.91 | | 5,436.20 | | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 103,794.79 | 3,563.94 | 37,847.15 | 83,068.39 | 7,053.95 |
| Bank and cash balance..... | 1,582.81 | 380.24 | 3,883.45 | 50.00 | 294.05 |
| Securities and investments..... | 26,699.39 | | 13,000.00 | | |
| Accounts receivable..... | 2,542.84 | 136.07 | 1,480.61 | 590.42 | 936.81 |
| Inventories..... | 114.36 | 67.87 | 2,064.60 | 1,243.31 | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 45,822.14 | 2,093.02 | 30,684.78 | 18,529.52 | 1,744.11 |
| Other assets..... | | | | 111.54 | |
| Total assets..... | 180,556.33 | 6,241.14 | 88,960.59 | 103,593.18 | 10,028.92 |
| Deficit..... | | 4,665.82 | | | 1,339.48 |
| Total..... | 180,556.33 | 10,906.96 | 88,960.59 | 103,593.18 | 11,368.40 |
| LIABILITIES | | | | | |
| Debenture balance..... | 33,987.83 | 225.54 | 2,393.71 | 31,103.03 | 2,572.46 |
| Accounts payable..... | 54.57 | 4,927.71 | 3,059.92 | 1,896.96 | 1,620.22 |
| Bank overdraft..... | | | | 297.79 | |
| Other liabilities..... | | | 544.50 | | |
| Total liabilities..... | 34,042.40 | 5,153.25 | 5,998.13 | 33,297.78 | 4,192.68 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 45,822.14 | 2,093.02 | 30,684.78 | 18,529.52 | 1,744.11 |
| For depreciation..... | 36,590.63 | 1,124.18 | 12,125.08 | 15,626.77 | 2,004.07 |
| Other reserves..... | | | | | |
| Total reserves..... | 82,412.77 | 3,217.20 | 42,809.86 | 34,156.29 | 3,748.18 |
| SURPLUS | | | | | |
| Debentures paid..... | 53,512.17 | 2,536.51 | 18,739.83 | 33,096.97 | 3,427.54 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 10,588.99 | | 21,412.77 | 3,042.14 | |
| Total surplus..... | 64,101.16 | 2,536.51 | 40,152.60 | 36,139.11 | 3,427.54 |
| Total liabilities, reserves and surplus..... | 180,556.33 | 10,906.96 | 88,960.59 | 103,593.18 | 11,368.40 |
| Percentage of net debt to total assets..... | 25.3 | 124.2 | 10.2 | 39.1 | 50.6 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Lucknow | Markdale | Meaford | Midland | Mildmay | Mount Forest | Neustadt | Orangeville |
|-----------|-----------|-----------|------------|-----------|--------------|-----------|-------------|
| 1,082 | 774 | 2,707 | 6,808 | 694 | 1,821 | 465 | 2,785 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | ..... | 1,104.93 | 19,983.57 | ..... | 3,725.00 | ..... | 2,585.07 |
| ..... | 780.80 | 2,398.85 | 85,096.20 | ..... | 686.75 | ..... | 1,169.00 |
| 17,009.20 | 10,503.49 | 30,015.36 | 93,649.38 | 6,001.09 | 22,682.88 | 9,970.79 | 32,266.89 |
| | | | | | | | |
| 4,385.00 | 4,151.74 | 7,278.23 | 22,972.26 | 1,657.05 | 6,594.59 | 3,624.89 | 7,922.99 |
| 4,717.22 | 3,244.99 | 7,317.62 | 36,046.39 | 2,129.16 | 7,294.95 | 2,017.85 | 11,400.36 |
| 1,391.17 | 1,314.08 | 3,215.81 | 18,712.15 | 502.80 | 2,302.55 | 496.41 | 7,532.55 |
| | | | | | | | |
| 2,322.02 | 674.93 | 1,987.27 | 5,386.19 | 836.82 | 2,127.00 | 1,521.48 | 6,243.69 |
| | | | | | | | |
| ..... | 2,080.65 | 3,486.43 | ..... | 849.00 | 3,810.95 | 1,097.60 | 3,204.99 |
| | | | | | | | |
| 29,824.61 | 22,750.68 | 56,804.50 | 281,846.14 | 11,975.92 | 49,224.67 | 18,729.02 | 72,325.54 |
| | | | | | | | |
| 1,236.22 | 1,110.39 | 2,812.48 | 75.00 | 1,190.61 | ..... | 8.11 | 921.53 |
| 4,000.00 | 1,255.13 | 16,083.05 | 29,000.00 | ..... | 4,000.00 | ..... | 2,500.00 |
| 1,386.42 | 936.11 | 1,780.17 | 19,199.98 | 945.94 | 1,718.29 | 37.22 | 1,814.79 |
| 8.52 | 35.00 | ..... | 4,127.10 | ..... | ..... | 18.20 | 284.96 |
| | | | | | | | |
| 9,186.02 | 5,032.19 | 12,735.65 | 125,095.10 | 226.15 | 16,380.02 | 5,502.73 | 21,353.58 |
| | | | | | | | |
| 45,641.79 | 31,119.50 | 90,215.85 | 459,343.32 | 14,338.62 | 71,322.98 | 24,295.28 | 99,200.40 |
| ..... | ..... | ..... | ..... | ..... | ..... | 16,712.99 | ..... |
| 45,641.79 | 31,119.50 | 90,215.85 | 459,343.32 | 14,338.62 | 71,322.98 | 41,008.27 | 99,200.40 |
| | | | | | | | |
| 10,801.77 | 5,482.32 | 34,814.09 | 29,703.26 | 11,895.23 | 11,721.92 | 6,741.81 | 7,992.00 |
| 67.28 | 738.58 | ..... | 33,883.74 | 85.53 | 250.00 | 12,022.60 | 1,021.55 |
| ..... | ..... | ..... | 2,034.42 | ..... | 660.41 | ..... | ..... |
| ..... | 20.00 | 757.89 | 772.64 | ..... | ..... | ..... | ..... |
| | | | | | | | |
| 10,869.05 | 6,240.90 | 35,571.98 | 66,394.06 | 11,980.76 | 12,632.33 | 18,764.41 | 9,013.55 |
| | | | | | | | |
| 9,186.02 | 5,032.19 | 12,735.65 | 125,095.10 | 226.15 | 16,380.02 | 5,502.73 | 21,353.58 |
| 5,268.25 | 4,953.50 | 9,182.03 | 110,915.85 | 206.00 | 14,338.12 | 6,482.94 | 19,878.88 |
| | | | | | | | |
| 14,454.27 | 9,985.69 | 21,917.68 | 236,010.95 | 432.15 | 30,718.14 | 11,985.67 | 41,232.46 |
| | | | | | | | |
| 8,921.59 | 3,517.68 | 14,546.11 | 82,366.73 | 408.27 | 19,236.68 | 10,258.19 | 27,908.00 |
| 11,396.88 | 11,375.23 | 18,180.08 | 74,571.58 | 1,517.44 | 8,735.83 | ..... | 21,046.39 |
| | | | | | | | |
| 20,318.47 | 14,892.91 | 32,726.19 | 156,938.31 | 1,925.71 | 27,972.51 | 10,258.19 | 48,954.39 |
| 45,641.79 | 31,119.50 | 90,215.85 | 459,343.32 | 14,338.62 | 71,322.98 | 41,008.27 | 99,200.40 |
| | | | | | | | |
| 29.8 | 23.9 | 45.9 | 19.8 | 84.9 | 24.9 | 99.9 | 11.6 |

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

| Municipality..... | Owen Sound 12,803 | Paisley 732 | Penetang- uishene 4,046 | Port Elgin 1,230 | Port McNicoll 928 |
|--|-------------------------|----------------|-------------------------------|------------------------|-------------------------|
| Population..... | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 25,978.31 | | 2,262.10 | 111.25 | 369.08 |
| Substation equipment..... | 12,919.97 | 1,933.26 | 7,076.39 | | |
| Distribution system—overhead..... | 106,461.46 | 11,504.45 | 41,283.35 | 25,301.65 | 7,448.38 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 46,603.72 | 1,602.53 | 15,661.52 | 5,335.48 | 1,322.48 |
| Meters..... | 56,436.43 | 2,930.91 | 13,754.34 | 6,039.69 | 2,497.83 |
| Street light equipment, regular..... | 27,532.69 | 1,045.51 | 3,503.33 | 2,057.10 | 422.33 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 3,879.83 | 885.45 | 1,530.00 | 759.34 | 659.19 |
| Steam or hydraulic plant..... | 33,282.00 | | | | |
| Old plant..... | | 1,745.00 | | 4,213.00 | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 313,094.41 | 21,647.11 | 85,071.03 | 43,817.51 | 12,719.29 |
| Bank and cash balance..... | 688.88 | 609.71 | | 5,394.35 | 78.99 |
| Securities and investments..... | | 2,500.00 | 1,152.98 | 7,500.00 | |
| Accounts receivable..... | 17,691.85 | 506.94 | 6,992.36 | 695.24 | 306.22 |
| Inventories..... | 10,699.29 | | 467.76 | 27.64 | 11.70 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 101,536.38 | 5,273.82 | 36,078.52 | 1,938.03 | 3,328.98 |
| Other assets..... | | | | | |
| Total assets..... | 443,710.81 | 30,537.58 | 129,762.65 | 59,372.77 | 16,445.18 |
| Deficit..... | | | | | |
| Total..... | 443,710.81 | 30,537.58 | 129,762.65 | 59,372.77 | 16,445.18 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 10,091.92 | 15,587.71 | 37,995.69 | 2,070.25 |
| Accounts payable..... | 1.00 | 17.50 | 7,335.47 | 4,498.92 | 677.47 |
| Bank overdraft..... | 4,098.74 | | 2,386.80 | | |
| Other liabilities..... | 2,667.72 | | | 20.00 | |
| Total liabilities..... | 6,767.46 | 10,109.42 | 25,309.98 | 42,514.61 | 2,747.72 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 101,536.38 | 5,273.82 | 36,078.52 | 1,938.03 | 3,328.98 |
| For depreciation..... | 59,025.51 | 3,623.07 | 31,117.49 | 2,184.18 | 4,101.83 |
| Other reserves..... | | | | | |
| Total reserves..... | 160,561.89 | 8,896.89 | 67,196.01 | 4,122.21 | 7,430.81 |
| SURPLUS | | | | | |
| Debentures paid..... | 141,000.00 | 5,908.08 | 25,412.29 | 4,004.31 | 5,229.75 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 135,381.46 | 5,623.19 | 11,844.37 | 8,731.64 | 1,036.90 |
| Total surplus..... | 276,381.46 | 11,531.27 | 37,256.66 | 12,735.95 | 6,266.65 |
| Total liabilities, reserves and surplus..... | 443,710.81 | 30,537.58 | 129,762.65 | 59,372.77 | 16,445.18 |
| Percentage of net debt to total assets..... | 1.9 | 40.0 | 27.0 | 74.0 | 20.9 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Port Perry 1,130 | Priceville P.V. | Ripley 451 | Rosseau 251 | Shelburne 1,064 | Southampton 1,520 | Stayner 1,042 | Sunderland P.V. |
|---------------------|--------------------|---------------|----------------|--------------------|----------------------|------------------|--------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,564.65 | 68.00 | | | 800.00 | 25.00 | | |
| 18,957.29 | 4,661.78 | 9,975.19 | 7,102.01 | 566.60 | | 200.00 | |
| | | | | 14,735.46 | 19,252.84 | 12,527.17 | 4,158.87 |
| 4,391.61 | 702.86 | 3,540.24 | 2,204.63 | 6,215.47 | 5,833.56 | 5,380.00 | 1,365.63 |
| 3,990.22 | 380.00 | 1,434.83 | 1,032.67 | 6,411.08 | 6,964.94 | 5,227.20 | 1,998.01 |
| 1,037.90 | 139.88 | 844.33 | 436.95 | 1,059.60 | 1,958.73 | 966.80 | 627.74 |
| 176.42 | 833.90 | 1,164.99 | 1,126.07 | 2,273.26 | 1,276.60 | 326.63 | 178.02 |
| | | | | 739.50 | 2,077.00 | 4,132.41 | 2,030.00 |
| 31,118.09 | 6,786.42 | 16,959.58 | 11,902.33 | 32,800.97 | 37,388.67 | 28,760.21 | 10,358.27 |
| 1,589.23 | 139.92 | 1,127.09 | 752.99 | | 2,549.49 | 444.79 | 1,965.18 |
| 10,000.00 | | | | 5,000.00 | | 4,000.00 | 1,000.00 |
| 619.41 | 54.34 | 413.09 | 1,505.29 | 726.63 | 1,344.96 | 664.40 | 374.90 |
| 46.41 | 4.08 | 22.34 | | 82.19 | 23.15 | | 9.39 |
| 7,789.28 | 838.98 | 3,882.39 | 790.05 | 10,112.03 | 1,993.07 | 8,696.77 | 6,183.71 |
| 51,162.42 | 7,823.74 | 22,404.49 | 14,950.66 | 48,721.82 | 43,299.34 | 42,566.17 | 19,891.45 |
| | 6,995.38 | | | | | | |
| 51,162.42 | 14,819.12 | 22,404.49 | 14,950.66 | 48,721.82 | 43,299.34 | 42,566.17 | 19,891.45 |
| 14,961.30 | 2,920.31 | 10,389.37 | 13,000.00 | 4,306.73 | 24,930.96 | 1,165.63 | 3,006.79 |
| 5.38 | 5,384.44 | 43.15 | 19.15 | 1,283.26 | 332.60 | 706.76 | 2,156.84 |
| 273.99 | | 70.00 | | 238.54 | | 25.00 | |
| 15,240.67 | 8,304.75 | 10,502.52 | 13,019.15 | 5,828.53 | 25,263.56 | 1,897.39 | 5,163.63 |
| 7,789.28 | 838.98 | 3,882.39 | 790.05 | 10,112.03 | 1,993.07 | 8,696.77 | 6,183.71 |
| 5,827.11 | 1,595.70 | 3,127.76 | 492.47 | 10,273.07 | 1,847.00 | 9,032.87 | 3,176.56 |
| | | | 648.99 | | | | |
| 13,616.39 | 2,434.68 | 7,010.15 | 1,931.51 | 20,385.10 | 3,840.07 | 17,729.64 | 9,360.27 |
| 4,920.36 | 4,079.69 | 3,582.57 | | 15,613.27 | 8,069.04 | 12,834.37 | 3,793.21 |
| 17,385.00 | | 1,309.25 | | 6,894.92 | 6,126.67 | 10,104.77 | 1,574.34 |
| 22,305.36 | 4,079.69 | 4,891.82 | | 22,508.19 | 14,195.71 | 22,939.14 | 5,367.55 |
| 51,162.42 | 14,819.12 | 22,404.49 | 14,950.66 | 48,721.82 | 43,299.34 | 42,566.17 | 19,891.45 |
| 35.1 | 118.9 | 56.8 | 91.9 | 15.1 | 61.1 | 5.6 | 37.7 |

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

| Municipality..... | Tara | Teeswater | Thornton | Tottenham | Uxbridge |
|---|-----------|-----------|-----------|-----------|-----------|
| Population..... | 491 | 805 | P.V. | 546 | 1,506 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | | 40.00 |
| Substation equipment..... | | 330.31 | | 358.50 | 2,657.65 |
| Distribution system—overhead... | 10,999.17 | 16,987.54 | 6,403.82 | 8,055.08 | 13,388.67 |
| Distribution system—underground | 2,176.95 | | | | |
| Line transformers..... | 1,719.24 | 4,746.02 | 860.41 | 1,117.48 | 3,875.43 |
| Meters..... | 430.59 | 3,315.65 | 796.76 | 2,109.02 | 4,475.05 |
| Street light equipment, regular..... | | 1,406.90 | 381.95 | 460.17 | 1,259.64 |
| Street light equipment, ornamental | 1,269.05 | | | | |
| Miscellaneous construction expense | | 1,907.49 | 300.35 | 1,265.68 | 910.15 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 4,976.86 | | 286.45 | |
| Other plants not distributed..... | | | | | |
| Total plant..... | 16,595.00 | 33,670.77 | 8,743.29 | 13,652.38 | 26,606.59 |
| Bank and cash balance..... | 1,530.50 | 558.28 | 396.61 | 448.48 | |
| Securities and investments..... | | 3,000.00 | | | 8,000.00 |
| Accounts receivable..... | 289.00 | 348.96 | 323.16 | 987.60 | 1,033.14 |
| Inventories..... | 61.20 | | | 24.48 | 6.12 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 4,661.32 | 6,444.10 | 1,777.80 | 5,592.84 | 8,297.67 |
| Other assets..... | | | | | |
| Total assets..... | 23,137.02 | 44,022.11 | 11,240.86 | 20,705.78 | 43,943.52 |
| Deficit..... | 3,001.19 | | 4,362.14 | 3,108.43 | |
| Total..... | 26,138.21 | 44,022.11 | 15,603.00 | 23,814.21 | 43,943.52 |
| LIABILITIES | | | | | |
| Debenture balance..... | 5,497.64 | 12,157.05 | 3,389.31 | 7,629.59 | 11,860.05 |
| Accounts payable..... | 38.25 | 3,847.88 | 2,604.20 | 498.99 | |
| Bank overdraft..... | | | | | 658.19 |
| Other liabilities..... | | 4.00 | | 154.06 | 5.00 |
| Total liabilities..... | 5,535.89 | 16,008.93 | 5,993.51 | 8,282.64 | 12,523.24 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 4,661.32 | 6,444.10 | 1,777.80 | 5,592.84 | 8,297.67 |
| For depreciation..... | 5,938.64 | 4,406.16 | 3,721.00 | 4,601.22 | 4,553.14 |
| Other reserves..... | | | | | |
| Total reserves..... | 10,599.96 | 10,850.26 | 5,498.80 | 10,194.06 | 12,850.81 |
| SURPLUS | | | | | |
| Debentures paid..... | 10,002.36 | 15,842.95 | 4,110.69 | 5,337.51 | 4,347.54 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | | 1,319.97 | | | 14,221.93 |
| Total surplus..... | 10,002.36 | 17,162.92 | 4,110.69 | 5,337.51 | 18,569.47 |
| Total liabilities, reserves and surplus | 26,138.21 | 44,022.11 | 15,603.00 | 23,814.21 | 43,943.52 |
| Percentage of net debt to total assets | 30.0 | 42.6 | 63.3 | 54.8 | 35.1 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Victoria Harbor 1,171 | Walkerton 2,340 | Waubaushe shene P.V. | Warton 1,911 | Winder- mere 135 | Wingham 1,842 | Woodville 414 | GEORGIAN BAY SYSTEM SUMMARY |
|--------------------------|--------------------|----------------------------|-----------------|------------------------|------------------|------------------|--------------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| | | | | | 9,163.34 | | 110,690.15 |
| | | | | | 4,863.91 | | 173,392.17 |
| 8,616.56 | 39,551.62 | 6,129.60 | 21,291.32 | 9,169.96 | 40,474.75 | 2,970.40 | 1,146,338.42 |
| | | | | | | | 66,437.67 |
| 1,278.18 | 10,638.64 | 1,556.06 | 5,554.58 | 2,852.40 | 15,635.95 | 2,127.54 | 378,217.38 |
| 2,252.25 | 10,475.11 | 1,810.39 | 5,780.34 | 865.05 | 14,188.17 | 2,116.14 | 401,981.17 |
| 366.32 | 2,276.74 | 221.79 | 1,950.58 | 247.26 | 3,371.64 | 217.55 | 132,759.04 |
| | | | | | | | |
| 667.12 | 1,984.43 | 370.39 | 5,001.65 | 354.57 | 4,930.59 | 275.21 | 103,402.25 |
| | | | | | 14,711.99 | | 47,993.99 |
| | 5,238.00 | | 3,981.00 | | 12,320.02 | 2,182.50 | 165,592.50 |
| | | | | | | | |
| 13,180.43 | 70,164.54 | 10,088.23 | 43,559.47 | 13,489.24 | 119,660.36 | 9,889.34 | 2,726,804.74 |
| | | | | | | | |
| 328.50 | 4,198.07 | 1,911.68 | 2,402.59 | 10.00 | 30.00 | 546.85 | 68,376.93 |
| | | | | | 9,000.00 | 5,000.00 | 218,145.77 |
| 514.38 | 1,878.86 | 255.78 | 457.08 | 1,367.46 | 1,250.88 | 895.27 | 117,057.09 |
| 16.32 | 578.52 | 22.00 | 31.96 | | 5,671.97 | | 27,596.75 |
| | | | | | | | 11,497.07 |
| 3,642.44 | 3,921.66 | 2,070.83 | 3,047.88 | 722.32 | 18,287.75 | 6,229.56 | 863,259.30 |
| | | | | | | | 111.54 |
| | | | | | | | |
| 17,682.07 | 80,741.65 | 14,348.52 | 49,498.98 | 15,589.02 | 153,900.96 | 22,561.02 | 4,032,849.19 |
| | | | | | | | 53,290.45 |
| | | | | | | | |
| 17,682.07 | 80,741.65 | 14,348.52 | 49,498.98 | 15,589.02 | 153,900.96 | 22,561.02 | 4,086,139.64 |
| | | | | | | | |
| 1,004.26 | 59,094.17 | 559.40 | 36,268.93 | 4,530.68 | 35,153.07 | 2,868.88 | 672,671.15 |
| 49.96 | 25.88 | 13.30 | 331.12 | 8,378.61 | | 75.77 | 144,632.18 |
| | | | | 188.38 | 2,234.15 | | 23,493.67 |
| | 5.00 | | 5.00 | 345.00 | 444.77 | | 8,526.57 |
| | | | | | | | |
| 1,054.22 | 59,125.05 | 572.70 | 36,605.05 | 13,442.67 | 37,831.99 | 2,944.65 | 849,323.57 |
| | | | | | | | |
| 3,642.44 | 3,921.66 | 2,070.83 | 3,047.88 | 722.32 | 18,287.75 | 6,229.56 | 863,259.30 |
| 3,758.26 | 2,630.78 | 2,177.94 | 2,014.94 | 883.88 | 22,444.34 | 2,077.27 | 674,284.37 |
| | | | | 189.57 | | | 2,663.56 |
| | | | | | | | |
| 7,400.70 | 6,552.44 | 4,248.77 | 5,062.82 | 1,795.77 | 40,732.09 | 8,306.83 | 1,540,207.23 |
| | | | | | | | |
| 5,495.74 | 3,905.83 | 2,940.60 | 1,131.07 | | 60,952.43 | 2,631.12 | 943,745.38 |
| | | | | | | | 11,497.07 |
| 3,731.41 | 11,158.33 | 6,586.45 | 6,700.04 | 350.58 | 14,384.45 | 8,678.42 | 741,366.39 |
| | | | | | | | |
| 9,227.15 | 15,064.16 | 9,527.05 | 7,831.11 | 350.58 | 75,336.88 | 11,309.54 | 1,696,608.84 |
| | | | | | | | |
| 17,682.07 | 80,741.65 | 14,348.52 | 49,498.98 | 15,589.02 | 153,900.96 | 22,561.02 | 4,086,139.64 |
| | | | | | | | |
| 7.5 | 77.0 | 4.7 | 78.8 | 90.4 | 28.0 | 18.0 | 26.4 |

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM

| Municipality | Alexandria | Apple Hill | Athens | Bath | Belleville |
|---|------------|------------|-----------|----------|------------|
| Population | 2,340 | P.V. | 582 | 350 | 14,059 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | | 169.06 | | | 36,108.70 |
| Substation equipment | | | | | 2,338.65 |
| Distribution system—overhead | 27,957.65 | 2,886.41 | 13,951.89 | 5,819.73 | 105,110.27 |
| Distribution system—underground | | | | | |
| Line transformers | 8,080.79 | 1,288.37 | 1,757.05 | 1,011.93 | 23,330.54 |
| Meters | 6,909.32 | 1,000.21 | 2,479.53 | 676.87 | 55,180.56 |
| Street light equipment, regular | 2,224.20 | 421.12 | 698.90 | 554.37 | 17,220.75 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 5,122.65 | 210.33 | 1,011.61 | 727.38 | 5,601.97 |
| Steam or hydraulic plant | | | | | |
| Old plant | 4,466.89 | 709.55 | | | |
| Other plants not distributed | | | | | |
| Total plant | 54,761.50 | 6,685.05 | 19,898.98 | 8,790.28 | 244,891.44 |
| Bank and cash balance | 2,611.41 | 282.51 | 1,152.51 | 11.76 | 17,671.22 |
| Securities and investments | 7,000.00 | | | | 5,000.00 |
| Accounts receivable | 1,876.12 | 143.53 | 2,069.44 | 666.78 | 15,601.29 |
| Inventories | | | | | 7,079.79 |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 17,415.16 | 1,689.16 | 2,458.42 | 418.12 | 59,864.19 |
| Other assets | | | | | |
| Total assets | 83,664.19 | 8,800.25 | 25,579.35 | 9,886.94 | 350,107.93 |
| Deficit | | 323.54 | | | |
| Total | 83,664.19 | 9,123.79 | 25,579.35 | 9,886.94 | 350,107.93 |
| LIABILITIES | | | | | |
| Debenture balance | 19,798.16 | 3,348.68 | 11,759.10 | 7,284.91 | 52,000.00 |
| Accounts payable | 3,571.45 | 106.37 | | 1,605.84 | |
| Bank overdraft | | | | | |
| Other liabilities | 466.23 | | | 22.00 | 5,443.34 |
| Total liabilities | 23,835.84 | 3,455.05 | 11,759.10 | 8,912.75 | 57,443.34 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 17,415.16 | 1,689.16 | 2,458.42 | 418.12 | 59,864.19 |
| For depreciation | 10,513.76 | 1,328.26 | 1,952.75 | 322.00 | 20,090.75 |
| Other reserves | | | | | 1,177.47 |
| Total reserves | 27,928.92 | 3,017.42 | 4,411.17 | 740.12 | 81,132.41 |
| SURPLUS | | | | | |
| Debentures paid | 28,335.68 | 2,651.32 | 2,240.90 | 215.09 | 124,000.00 |
| Local sinking fund | | | | | |
| Operating surplus | 3,563.75 | | 7,168.18 | 18.98 | 87,532.18 |
| Total surplus | 31,899.43 | 2,651.32 | 9,409.08 | 234.07 | 211,532.18 |
| Total liabilities, reserves and surplus | 83,664.19 | 9,123.79 | 25,579.35 | 9,886.94 | 350,107.93 |
| Percentage of net debt to total assets | 35.9 | 48.6 | 50.9 | 95.2 | 19.8 |

"A"—Continued

Hydro Municipalities as at December 31, 1933

| Bloomfield 614 | Bowman- ville 3,641 | Brighton 1,413 | Brockville 9,615 | Cardinal 1,305 | Carleton Place 4,272 | Chester- ville 950 |
|-------------------|---------------------------|-------------------|---------------------|-------------------|----------------------------|--------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 410.00 | | | 45,295.14 | | 6,255.32 | 250.00 |
| 11,144.26 | 43,954.11 | 14,379.75 | 1,000.87 | | 2,471.63 | |
| | | | 83,857.03 | 10,811.54 | 41,145.03 | 7,946.71 |
| 2,230.77 | 7,599.91 | 3,965.45 | 35,877.33 | 2,580.91 | 10,331.16 | 3,245.64 |
| 2,677.82 | 17,014.21 | 6,449.20 | 42,945.18 | 2,214.16 | 16,599.67 | 4,112.97 |
| 908.20 | 2,860.10 | 821.98 | 20,434.12 | 385.27 | 6,758.16 | 526.97 |
| 1,403.42 | 2,406.53 | 236.73 | 3,044.90 | 759.18 | 3,580.79 | 658.68 |
| | | | 54,961.03 | | | |
| | | | 4,821.76 | 3,474.80 | 5,293.19 | |
| 18,774.47 | 73,834.86 | 25,853.11 | 292,237.36 | 20,225.86 | 92,434.95 | 16,740.97 |
| | 11,528.65 | 25.00 | 783.90 | 1,183.57 | 4,319.40 | 585.95 |
| | | | 135,000.00 | | 19,000.00 | 9,000.00 |
| 235.33 | 4,684.85 | 4,915.73 | 9,682.82 | 39.00 | 5,200.34 | 723.03 |
| | 3,046.76 | 4,194.51 | 2,385.49 | | 892.06 | 608.79 |
| 2,562.61 | 11,113.91 | 3,884.81 | 90,546.25 | 1,431.50 | 40,058.83 | 17,050.69 |
| 21,572.41 | 104,209.03 | 38,873.16 | 530,635.82 | 22,879.93 | 161,905.58 | 44,709.43 |
| 21,572.41 | 104,209.03 | 38,873.16 | 530,635.82 | 22,879.93 | 161,905.58 | 44,709.43 |
| 7,202.16 | 66,486.12 | 22,558.84 | | 13,569.91 | 43,641.56 | 1,124.18 |
| 979.35 | | 5.21 | 13,877.20 | 179.43 | | 5.40 |
| 4.89 | | 2,687.69 | 5,898.12 | | | |
| 12.00 | 560.53 | 78.00 | 47.00 | | 718.73 | |
| 8,198.40 | 67,046.65 | 25,329.74 | 19,822.32 | 13,749.34 | 44,360.29 | 1,129.58 |
| 2,562.61 | 11,113.91 | 3,884.81 | 90,546.25 | 1,431.50 | 40,058.83 | 17,050.69 |
| 3,970.96 | 3,261.50 | 1,694.13 | 73,525.48 | 982.00 | 10,431.10 | 7,559.10 |
| | | | 6,497.60 | | 1,500.00 | |
| 6,533.57 | 14,375.41 | 5,578.94 | 170,569.33 | 2,413.50 | 51,989.93 | 24,609.79 |
| 3,997.84 | 4,513.88 | 2,441.16 | 226,657.54 | 1,430.09 | 22,358.44 | 5,375.82 |
| 2,842.60 | 18,273.09 | 5,523.32 | 113,586.63 | 5,287.00 | 43,196.92 | 13,594.24 |
| 6,840.44 | 22,786.97 | 7,964.48 | 340,244.17 | 6,717.09 | 65,555.36 | 18,970.06 |
| 21,572.41 | 104,209.03 | 38,873.16 | 530,635.82 | 22,879.93 | 161,905.58 | 44,709.43 |
| 43.1 | 72.0 | 72.4 | 4.5 | 64.1 | 36.4 | 4.1 |

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality..... | Cobourg | Colborne | Deseronto | Finch | Hastings |
|---|--------------|--------------|--------------|--------------|--------------|
| Population..... | 5,619 | 977 | 1,418 | 383 | 707 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | | |
| Substation equipment..... | | | 161.18 | | |
| Distribution system—overhead... | 62,880.91 | 6,037.64 | 9,700.34 | 7,414.99 | 14,011.23 |
| Distribution system—underground | | | | | |
| Line transformers..... | 15,854.62 | 670.66 | 1,442.62 | 1,393.35 | 1,771.80 |
| Meters..... | 22,307.76 | 1,390.75 | 4,771.27 | 1,728.20 | 2,901.40 |
| Street light equipment, regular... | 8,391.51 | 1,321.40 | 432.60 | 435.62 | 1,160.09 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 4,574.24 | 2,463.34 | 305.94 | 23.24 | 716.28 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | | 1,733.13 |
| Other plants not distributed..... | | | | | |
| Total plant..... | 114,009.04 | 11,883.79 | 16,813.95 | 10,995.40 | 22,293.93 |
| Bank and cash balance..... | 17,960.58 | 1,956.52 | 3,436.29 | 108.70 | 586.86 |
| Securities and investments..... | | | | 3,000.00 | 5,000.00 |
| Accounts receivable..... | 5,180.48 | 156.91 | 691.22 | 121.29 | 554.44 |
| Inventories..... | 3,834.53 | 538.05 | 721.46 | | |
| Sinking fund on local debentures... | | | | | |
| Equity in H-E.P.C. systems..... | 8,067.27 | 337.09 | 1,951.46 | 1,781.86 | 788.72 |
| Other assets..... | | | | | |
| Total assets..... | 149,051.90 | 14,872.36 | 23,614.38 | 16,007.25 | 29,223.95 |
| Deficit..... | | | | | |
| Total..... | 149,051.90 | 14,872.36 | 23,614.38 | 16,007.25 | 29,223.95 |
| LIABILITIES | | | | | |
| Debtenture balance..... | 102,702.35 | 12,194.59 | 11,847.71 | 5,672.68 | 19,762.33 |
| Accounts payable..... | 4,884.99 | 45.56 | 468.54 | 707.11 | 13.80 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 3,462.03 | 196.24 | 192.12 | | 30.00 |
| Total liabilities..... | 111,049.37 | 12,436.39 | 12,508.37 | 6,379.79 | 19,806.13 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems... | 8,067.27 | 337.09 | 1,951.46 | 1,781.86 | 788.72 |
| For depreciation..... | 3,833.12 | 188.00 | 920.92 | 1,138.00 | 1,011.60 |
| Other reserves..... | | | | | |
| Total reserves..... | 11,900.39 | 525.09 | 2,872.38 | 2,919.86 | 1,800.32 |
| SURPLUS | | | | | |
| Debentures paid..... | 3,291.15 | | 3,152.29 | 1,327.32 | 1,237.67 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 22,810.99 | 1,910.88 | 5,081.34 | 5,380.28 | 6,379.83 |
| Total surplus..... | 26,102.14 | 1,910.88 | 8,233.63 | 6,707.60 | 7,617.50 |
| Total liabilities, reserves and surplus | 149,051.90 | 14,872.36 | 23,614.38 | 16,007.25 | 29,223.95 |
| Percentage of net debt to total assets | 78.8 | 85.5 | 57.7 | 44.8 | 69.6 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Havelock | Kemptville | Kingston | Lakefield | Lanark | Lancaster | Lindsay |
|-----------|------------|--------------|-----------|-----------|-----------|------------|
| 1,096 | 1,227 | 23,260 | 1,303 | 636 | 601 | 7,109 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 572.90 | | 184,945.77 | 3,137.97 | | | 10,556.68 |
| 19,583.50 | 19,755.54 | 45,599.79 | | | | 3,176.56 |
| | | 165,930.10 | 21,813.53 | 6,201.44 | 6,402.26 | 71,574.10 |
| | | 149,557.13 | | | | |
| 2,259.82 | 5,888.74 | 58,020.14 | 5,101.95 | 1,134.89 | 962.35 | 20,920.49 |
| 5,387.88 | 6,490.65 | 99,915.93 | 7,070.99 | 1,796.99 | 1,433.52 | 30,341.01 |
| 1,842.33 | 1,063.16 | 71,262.59 | 1,876.16 | 682.38 | 650.65 | 10,291.48 |
| 4,409.17 | 6,067.28 | 46,345.74 | 3,815.70 | 330.38 | 1,068.55 | 1,608.54 |
| 2,420.45 | | 15,890.14 | 3,445.25 | | | |
| 36,476.05 | 39,265.37 | 837,467.33 | 46,261.55 | 10,146.08 | 10,517.33 | 148,468.86 |
| 2,789.27 | 760.85 | 65,301.65 | 479.65 | 711.41 | 357.04 | 8,431.77 |
| 7,000.00 | 20,000.00 | 172,175.00 | 10,000.00 | 1,982.05 | | 46,500.00 |
| 262.62 | 3,116.38 | 36,132.75 | 1,270.74 | 203.48 | 452.20 | 4,918.05 |
| | 998.53 | 9,806.07 | | | | 424.76 |
| | | 32,697.13 | | | | |
| 5,666.80 | 9,967.75 | 4,814.31 | 4,814.31 | 3,115.98 | 4,203.18 | 34,998.34 |
| | | 1,000.00 | 9.74 | | | |
| 52,194.74 | 74,108.88 | 1,154,579.93 | 62,835.99 | 16,159.00 | 15,529.75 | 243,741.78 |
| | | | | | 6,261.95 | |
| 52,194.74 | 74,108.88 | 1,154,579.93 | 62,835.99 | 16,159.00 | 21,791.70 | 243,741.78 |
| 16,437.62 | 18,271.25 | 104,430.01 | 25,935.95 | 3,433.99 | 3,297.41 | 108,275.79 |
| 63.08 | 2,208.15 | 6,361.67 | 700.00 | 24.35 | 5,129.50 | 19.56 |
| | | 640.96 | 360.96 | | 73.50 | 1,753.18 |
| 16,500.70 | 20,479.40 | 111,432.64 | 26,996.91 | 3,458.34 | 8,500.41 | 110,048.53 |
| 5,666.80 | 9,967.75 | | 4,814.31 | 3,115.98 | 4,203.18 | 34,998.34 |
| 7,112.47 | 6,873.22 | 127,490.12 | 9,728.63 | 1,763.25 | 2,415.10 | 16,765.26 |
| | | 161,795.63 | | | | |
| 12,779.27 | 16,840.97 | 289,285.75 | 14,542.94 | 4,879.23 | 6,618.28 | 51,763.60 |
| 16,462.38 | 6,728.75 | 207,469.99 | 7,564.05 | 4,127.48 | 6,673.01 | 21,724.21 |
| | | 32,697.13 | | | | |
| 6,452.39 | 30,059.76 | 513,694.42 | 13,732.09 | 3,693.95 | | 60,205.44 |
| 22,914.77 | 36,788.51 | 753,861.54 | 21,296.14 | 7,821.43 | 6,673.01 | 81,929.65 |
| 52,194.74 | 74,108.88 | 1,154,579.93 | 62,835.99 | 16,159.00 | 21,791.70 | 243,741.78 |
| 35.5 | 31.9 | 7.0 | 46.5 | 26.5 | 75.0 | 52.7 |

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality..... | Madoc | Marmora | Martintown | Maxville |
|--|--------------|--------------|--------------|--------------|
| Population..... | 1,059 | 924 | P.V. | 785 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 100.00 | | 126.15 | |
| Substation equipment..... | | | | 407.79 |
| Distribution system—overhead.... | 9,680.27 | 12,591.18 | 2,709.88 | 11,463.57 |
| Distribution system—underground..... | | | | |
| Line transformers..... | 2,351.64 | 2,378.99 | 690.33 | 1,540.96 |
| Meters..... | 4,786.31 | 3,395.91 | 871.51 | 2,465.30 |
| Street light equipment, regular.... | 1,500.00 | 1,088.59 | 335.26 | 1,605.64 |
| Street light equipment, ornamental..... | | | | |
| Miscellaneous construction expense..... | 225.89 | 2,000.91 | 653.27 | 2,402.45 |
| Steam or hydraulic plant..... | | | | |
| Old plant..... | | 573.62 | | |
| Other plants not distributed..... | | | | |
| Total plant..... | 18,644.11 | 22,029.20 | 5,386.40 | 19,885.71 |
| Bank and cash balance..... | 2,485.58 | 4,321.14 | 965.74 | 601.47 |
| Securities and investments..... | | 657.33 | 1,000.00 | |
| Accounts receivable..... | 421.49 | 588.08 | 248.46 | 224.46 |
| Inventories..... | | | | |
| Sinking fund on local debentures.... | | | | |
| Equity in H-E.P.C. systems..... | 2,479.40 | 2,136.48 | 1,082.90 | 5,041.29 |
| Other assets..... | | | | |
| Total assets..... | 24,030.58 | 29,732.23 | 8,683.50 | 25,752.93 |
| Deficit..... | | | | |
| Total..... | 24,030.58 | 29,732.23 | 8,683.50 | 25,752.93 |
| LIABILITIES | | | | |
| Debenture balance..... | 963.20 | 7,735.98 | 1,961.14 | 7,608.74 |
| Accounts payable..... | 51.00 | 4.18 | | 1.37 |
| Bank overdraft..... | | | | |
| Other liabilities..... | | 10.00 | | 80.00 |
| Total liabilities..... | 1,014.20 | 7,750.16 | 1,961.14 | 7,690.11 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems.... | 2,479.40 | 2,136.48 | 1,082.90 | 5,041.29 |
| For depreciation..... | 921.05 | 4,058.21 | 1,183.37 | 3,701.66 |
| Other reserves..... | | | | |
| Total reserves..... | 3,400.45 | 6,194.69 | 2,266.27 | 8,742.95 |
| SURPLUS | | | | |
| Debentures paid..... | 13,036.80 | 9,930.13 | 4,038.86 | 8,391.26 |
| Local sinking fund..... | | | | |
| Operating surplus..... | 6,579.13 | 5,857.25 | 417.23 | 928.61 |
| Total surplus..... | 19,615.93 | 15,787.38 | 4,456.09 | 9,319.87 |
| Total liabilities, reserves and surplus..... | 24,030.58 | 29,732.23 | 8,683.50 | 25,752.93 |
| Percentage of net debt to total assets..... | 4.7 | 28.1 | 25.8 | 37.1 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Napanee | Norwood | Omemeë | Oshawa | Ottawa | Perth | Peterborough |
|-----------|-----------|-----------|------------|--------------|------------|--------------|
| 3,014 | 727 | 498 | 23,002 | 130,672 | 3,994 | 22,809 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,173.32 | | | 56,776.03 | 337,378.21 | 6,851.01 | 75,202.75 |
| | 457.53 | 360.32 | | 700,669.39 | 3,932.82 | 98,652.41 |
| 39,244.37 | 23,152.45 | 10,880.65 | 183,835.78 | 709,461.28 | 46,843.70 | 210,098.39 |
| | | | | 172,744.02 | | |
| 8,356.22 | 4,609.18 | 2,668.47 | 40,454.32 | 303,083.73 | 22,413.35 | 95,759.24 |
| 16,394.23 | 4,822.00 | 2,434.79 | 97,743.58 | 276,306.34 | 20,967.92 | 93,552.08 |
| 3,814.09 | 1,848.52 | 667.86 | 15,669.64 | 117,317.59 | 3,939.32 | 53,728.00 |
| | | | | | | |
| 2,787.40 | 3,939.32 | 1,540.92 | 6,342.36 | 33,115.49 | 5,011.75 | 53,652.16 |
| | 2,447.51 | | 8,831.65 | | 23,606.94 | 29,771.74 |
| | | | | | | |
| 72,769.63 | 41,276.51 | 18,553.01 | 409,653.36 | 2,650,076.05 | 133,566.81 | 710,416.77 |
| | | | | | | |
| 1,934.74 | 3,781.32 | 2,224.49 | 250.00 | 2,127.29 | 5,472.56 | 330.00 |
| | 8,000.00 | | | 38,000.00 | 35,000.00 | |
| 4,910.96 | 171.77 | 163.22 | 57,831.30 | 99,557.41 | 4,161.21 | 29,743.35 |
| 5,065.45 | | | 8,574.22 | 22,198.34 | 7,663.13 | 5,053.11 |
| | | | | 682,182.51 | | 225,737.16 |
| 14,478.29 | 2,711.38 | | 186,135.35 | 52,211.78 | 34,151.00 | 117,464.27 |
| | | | 304.52 | | 328.15 | |
| | | | | | | |
| 99,159.07 | 55,940.98 | 20,940.72 | 662,748.75 | 3,546,353.38 | 220,342.86 | 1,088,744.66 |
| | | | | | | |
| 99,159.07 | 55,940.98 | 20,940.72 | 662,748.75 | 3,546,353.38 | 220,342.86 | 1,088,744.66 |
| | | | | | | |
| 35,031.54 | 27,760.97 | 4,003.70 | 249,672.23 | 923,627.34 | 55,526.99 | 527,920.00 |
| | 583.21 | | 24,200.87 | 94,965.53 | 268.59 | 28,249.53 |
| | | | 9,831.79 | 2,895.07 | | 4,061.57 |
| 532.02 | 326.30 | 45.00 | 18,929.21 | | 1,899.59 | 80.00 |
| | | | | | | |
| 35,563.56 | 28,670.48 | 4,048.70 | 302,634.10 | 1,021,487.94 | 57,695.17 | 560,311.10 |
| | | | | | | |
| 14,478.29 | 2,711.38 | | 186,135.35 | 52,211.78 | 34,151.00 | 117,464.27 |
| 3,091.42 | 9,011.80 | 6,047.88 | 37,436.92 | 930,274.58 | 34,625.03 | 94,929.86 |
| 2,983.35 | | | 17,405.24 | 164,586.88 | | 9,400.20 |
| | | | | | | |
| 20,553.06 | 11,723.18 | 6,047.88 | 240,977.51 | 1,147,073.24 | 68,776.03 | 221,794.33 |
| | | | | | | |
| 34,968.46 | 9,339.03 | 7,996.30 | 60,327.77 | 56,372.66 | 52,873.01 | |
| | | | | 682,182.51 | | 225,737.16 |
| 8,073.99 | 6,208.29 | 2,847.84 | 58,809.37 | 639,237.03 | 40,998.65 | 80,902.07 |
| | | | | | | |
| 43,042.45 | 15,547.32 | 10,844.14 | 119,137.14 | 1,377,792.20 | 93,871.66 | 306,639.23 |
| | | | | | | |
| 99,159.07 | 55,940.98 | 20,940.72 | 662,748.75 | 3,546,353.38 | 220,342.86 | 1,088,744.66 |
| | | | | | | |
| 42.0 | 53.9 | 21.8 | 63.5 | 29.2 | 31.0 | 44.9 |

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality..... | Picton | Port Hope | Prescott | Richmond | Russell |
|---|--------------|--------------|--------------|--------------|--------------|
| Population..... | 3,217 | 4,626 | 2,952 | 381 | P.V. |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | 7,182.49 | 4,050.00 | 2,761.54 | | |
| Substation equipment | 2,004.66 | | | | |
| Distribution system—overhead | 39,652.20 | 47,651.69 | 38,915.28 | 6,127.37 | 7,735.81 |
| Distribution system—underground | | | | | |
| Line transformers | 12,624.33 | 11,598.21 | 13,303.50 | 769.40 | 1,382.48 |
| Meters | 16,740.47 | 19,384.64 | 18,431.61 | 1,136.31 | 1,458.78 |
| Street light equipment, regular | 4,131.66 | 2,613.82 | 2,006.66 | 173.98 | 499.49 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 2,621.36 | 828.28 | 1,089.63 | 612.67 | 1,199.88 |
| Stream or hydraulic plant | | | | | |
| Old plant | 3,105.28 | | 11,808.35 | | |
| Other plants not distributed | | | | | |
| Total plant | 88,062.45 | 86,126.64 | 88,316.57 | 8,819.73 | 12,276.44 |
| Bank and cash balance | 50.00 | 1,184.05 | 1,031.66 | 323.76 | 1,680.80 |
| Securities and investments | 14,000.00 | | 3,000.00 | | |
| Accounts receivable | 5,104.68 | 3,014.20 | 1,701.75 | | 976.63 |
| Inventories | 3,842.99 | 1,060.76 | | | |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems | 20,429.65 | 17,960.58 | 25,550.45 | 894.27 | 2,863.57 |
| Other assets | 997.29 | | 106.00 | | |
| Total assets | 132,487.06 | 109,346.23 | 119,706.43 | 10,037.76 | 17,797.44 |
| Deficit | | 1,046.56 | | | |
| Total | 132,487.06 | 110,392.79 | 119,706.43 | 10,037.76 | 17,797.44 |
| LIABILITIES | | | | | |
| Debenture balance | | 23,863.83 | | 5,504.02 | 7,211.90 |
| Accounts payable | 3,279.09 | 4,969.50 | 908.69 | 104.27 | 251.23 |
| Bank overdraft | 1,562.86 | | | | |
| Other liabilities | 978.00 | 3,110.77 | 204.51 | 25.50 | |
| Total liabilities | 5,819.95 | 31,944.10 | 1,113.20 | 5,633.79 | 7,463.13 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems | 20,429.65 | 17,960.58 | 25,550.45 | 894.27 | 2,863.57 |
| For depreciation | 11,773.85 | 5,351.94 | 30,397.84 | 850.87 | 1,493.98 |
| Other reserves | 1,458.68 | | | | |
| Total reserves | 33,662.18 | 23,312.52 | 55,948.29 | 1,745.14 | 4,357.55 |
| SURPLUS | | | | | |
| Debentures paid | 5,730.32 | 55,136.17 | 23,979.34 | 995.98 | 2,788.10 |
| Local sinking fund | | | | | |
| Operating surplus | 87,274.61 | | 38,665.60 | 1,662.85 | 3,188.66 |
| Total surplus | 93,004.93 | 55,136.17 | 62,644.94 | 2,658.83 | 5,976.76 |
| Total liabilities, reserves and surplus | 132,487.06 | 110,392.79 | 119,706.43 | 10,037.76 | 17,797.44 |
| Percentage of net debt to total assets | 5.1 | 34.9 | 1.2 | 61.6 | 50.0 |

“A”—Continued

Hydro Municipalities as at December 31, 1933

| Smiths Falls | Stirling | Trenton | Tweed | Warkworth | Wellington | Westport |
|--------------|-----------|------------|-----------|-----------|------------|-----------|
| 7,501 | 865 | 6,331 | 1,247 | P.V. | 900 | 733 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 19,928.85 | 8,410.00 | 5,114.41 | | | 200.00 | |
| 4,745.66 | 7,042.12 | 23,080.03 | | | 499.80 | |
| 86,143.93 | 5,007.22 | 87,820.66 | 10,186.86 | 5,494.98 | 14,660.44 | 7,155.76 |
| 24,946.41 | 3,681.12 | 20,622.75 | 3,002.41 | 684.66 | 3,703.50 | 1,001.23 |
| 32,399.24 | 4,856.49 | 25,913.81 | 4,777.47 | 1,510.80 | 5,168.68 | 1,353.44 |
| 9,295.13 | 1,054.48 | 13,556.84 | 1,035.28 | 309.88 | 1,131.40 | 526.70 |
| 6,631.95 | 1,097.22 | 3,141.03 | 345.31 | 610.69 | 774.55 | 1,335.26 |
| 38,001.49 | | | | 3,618.02 | 2,477.92 | 1,713.00 |
| 21,513.48 | | | | | | |
| 243,606.14 | 31,148.65 | 179,249.53 | 19,347.33 | 12,229.03 | 28,616.29 | 13,085.39 |
| 5,131.37 | 5,231.59 | 11,769.63 | 1,450.81 | 416.85 | 10.00 | |
| 42,000.00 | 4,762.73 | | | 2,500.00 | 5,000.00 | 3,000.00 |
| 4,014.82 | 1,058.50 | 7,688.95 | 570.00 | 321.22 | 560.52 | 653.28 |
| 721.28 | 1,090.28 | 6,300.75 | 1,197.71 | | | |
| 52,428.70 | 3,026.08 | 15,465.69 | 2,472.03 | 1,484.82 | 3,949.61 | 949.46 |
| 50.00 | | | | | | |
| 347,902.31 | 46,367.83 | 220,474.55 | 25,037.88 | 16,951.92 | 38,136.42 | 17,688.13 |
| 347,902.31 | 46,367.83 | 220,474.55 | 25,037.88 | 16,951.92 | 38,136.42 | 17,688.13 |
| 69,513.40 | | 154,510.02 | 13,061.29 | 9,401.11 | 11,068.35 | 14,115.96 |
| | 1.62 | | 597.09 | | 739.08 | |
| | | | | | 1,352.82 | 58.60 |
| 33 | 24.00 | 2,638.89 | 214.69 | | 2.25 | |
| 69,513.73 | 25.62 | 157,148.91 | 13,873.07 | 9,401.11 | 13,162.50 | 14,174.56 |
| 52,428.70 | 3,026.08 | 15,465.69 | 2,472.03 | 1,484.82 | 3,949.61 | 949.46 |
| 62,565.37 | 8,672.11 | 6,748.00 | 1,956.13 | 1,201.32 | 5,482.78 | 244.56 |
| 250.00 | | 661.84 | | | | |
| 115,244.07 | 11,698.19 | 22,875.53 | 4,428.16 | 2,686.14 | 9,432.39 | 1,194.02 |
| 128,111.60 | 10,000.00 | 10,489.98 | 5,938.71 | 1,598.89 | 5,931.65 | 884.04 |
| 35,032.91 | 24,644.02 | 29,960.13 | 797.94 | 3,265.78 | 9,609.88 | 1,435.51 |
| 163,144.51 | 34,644.02 | 40,450.11 | 6,736.65 | 4,864.67 | 15,541.53 | 2,319.55 |
| 347,902.31 | 46,367.83 | 220,474.55 | 25,037.88 | 16,951.92 | 38,136.42 | 17,688.13 |
| 23.5 | .06 | 76.7 | 61.5 | 60.8 | 38.5 | 85.2 |

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Concluded

| Municipality..... | Whitby | Williamsburg | Winchester | EASTERN ONTARIO SYSTEM SUMMARY |
|---|--------------|--------------|--------------|---|
| Population..... | 5,294 | P.V. | 963 | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 6,394.26 | | 299.85 | 819,667.51 |
| Substation equipment..... | 34,200.41 | | | 931,784.52 |
| Distribution system—overhead... | 44,799.06 | 2,510.58 | 9,529.85 | 2,453,623.17 |
| Distribution system—underground | | | | 322,301.15 |
| Line transformers..... | 10,993.72 | 1,749.87 | 2,436.78 | 813,528.08 |
| Meters..... | 14,537.89 | 1,926.37 | 4,904.37 | 1,022,036.39 |
| Street light equipment, regular... | 4,567.02 | 152.11 | 719.87 | 396,512.94 |
| Street light equipment, ornamental | | | | |
| Miscellaneous construction expense | 5,815.00 | 50.85 | 616.57 | 234,934.74 |
| Steam or hydraulic plant..... | | | | 92,962.52 |
| Old plant..... | 1,340.13 | | 1,100.00 | 154,162.80 |
| Other plants not distributed..... | | | | |
| Total plant..... | 122,647.49 | 6,389.78 | 19,607.29 | 7,241,513.82 |
| Bank and cash balance..... | 458.47 | 1,277.70 | 1,013.44 | 198,560.93 |
| Securities and investments..... | | 4,500.00 | 7,000.00 | 609,077.11 |
| Accounts receivable..... | 4,452.64 | 1,620.36 | 727.44 | 329,385.52 |
| Inventories..... | 141.87 | | | 97,440.69 |
| Sinking fund on local debentures | | | | 940,616.80 |
| Equity in H-E.P.C. systems..... | 20,245.70 | 2,473.15 | 10,830.56 | 923,102.87 |
| Other assets..... | | | | 2,795.70 |
| Total assets..... | 147,946.17 | 16,260.99 | 39,178.73 | 10,342,493.44 |
| Deficit..... | | | | 7,632.05 |
| Total..... | 147,946.17 | 16,260.99 | 39,178.73 | 10,350,125.49 |
| LIABILITIES | | | | |
| Debenture balance..... | 36,673.08 | 210.01 | 6,101.67 | 2,874,081.77 |
| Accounts payable..... | 45.20 | 604.59 | 96.72 | 200,877.92 |
| Bank overdraft..... | | | | 28,353.41 |
| Other liabilities..... | 768.97 | 477.65 | 5.00 | 44,409.50 |
| Total liabilities..... | 37,487.25 | 1,292.25 | 6,203.39 | 3,147,722.60 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems... | 20,245.70 | 2,473.15 | 10,830.56 | 923,102.87 |
| For depreciation..... | 16,342.61 | 1,788.02 | 6,712.24 | 1,601,734.88 |
| Other reserves..... | | | | 367,716.89 |
| Total reserves..... | 36,588.31 | 4,261.17 | 17,542.80 | 2,892,554.64 |
| SURPLUS | | | | |
| Debentures paid..... | 39,939.42 | 2,539.99 | 4,548.33 | 1,259,862.86 |
| Local sinking fund..... | | | | 940,616.80 |
| Operating surplus..... | 33,931.19 | 8,167.58 | 10,884.21 | 2,109,368.59 |
| Total surplus..... | 73,870.61 | 10,707.57 | 15,432.54 | 4,309,848.25 |
| Total liabilities, reserves and surplus | 147,946.17 | 16,260.99 | 39,178.73 | 10,350,125.49 |
| Percentage of net debt to total assets | 29.3 | 9.4 | 21.8 | 26.0 |

"A"—Concluded

Hydro Municipalities as at December 31, 1933

THUNDER BAY
SYSTEM

| Fort William 25,188 | Nipigon | Port Arthur 19,749 | THUNDER BAY SYSTEM SUMMARY | ALL SYSTEMS GRAND SUMMARY |
|---|--------------------------------|---|--|--|
| \$ c. 48,927.62 123,548.71 140,613.54 | \$ c. 215.03 13,194.42 | \$ c. 382,856.81 240,367.20 443,500.81 | \$ c. 431,999.46 363,915.91 597,308.77 | \$ c. 10,186,471.28 22,306,800.94 21,152,681.20 |
| 62,413.22 61,540.24 29,781.46 | 2,566.91 2,344.61 606.24 | 67,012.85 90,004.85 77,096.02 | 131,992.98 153,889.70 107,483.72 | 5,945,225.61 9,478,605.14 8,514,165.03 |
| 6,038.64 293,762.46 | 93.53 | 32,543.86 348,777.37 | 38,676.03 348,777.37 293,762.46 | 2,381,599.40 1,458,443.68 4,040,859.74 |
| 766,625.89 | 19,020.74 | 1,682,159.77 | 2,467,806.40 | 502,978.62 5,016,755.92 200,000.00 |
| 1,473.68 6,000.00 28,951.61 2,483.45 177,905.05 239,785.83 | 2,691.86 761.01 1,439.22 | 70,484.76 594,994.87 88,750.99 21,592.86 240,087.76 821,761.42 1,088.37 | 74,650.30 600,994.87 118,463.61 24,076.31 417,992.81 1,062,986.47 1,088.37 | 91,184,586.56 1,696,489.24 2,163,785.20 3,746,910.92 1,226,043.30 9,386,176.58 26,045,679.00 253,581.84 |
| 1,223,225.51 | 23,912.83 | 3,520,920.80 | 4,768,059.14 | 135,703,252.64 75,416.85 |
| 1,223,225.51 | 23,912.83 | 3,520,920.80 | 4,768,059.14 | 135,778,669.49 |
| 415,500.00 25,719.16 10,332.83 | 6,876.12 803.55 | 361,165.28 143,310.57 | 783,541.40 169,833.28 10,332.83 | 42,606,145.29 3,320,485.45 206,398.00 3,787,725.14 |
| 451,551.99 | 7,679.67 | 504,475.85 | 963,707.51 | 49,920,753.88 |
| 239,785.83 69,227.30 11,402.34 | 1,439.22 2,978.00 | 821,761.42 397,387.59 76,441.73 | 1,062,986.47 469,592.89 87,844.07 | 26,045,679.00 16,075,959.28 2,048,081.84 |
| 320,415.47 | 4,417.22 | 1,295,590.74 | 1,620,423.43 | 44,169,720.12 |
| 252,150.00 177,905.05 21,203.00 | 3,123.88 8,692.06 | 280,934.72 240,087.76 1,199,831.73 | 536,208.60 417,992.81 1,229,726.79 | 17,651,367.71 9,386,176.58 14,650,651.20 |
| 451,258.05 | 11,815.94 | 1,720,854.21 | 2,183,928.20 | 41,688,195.49 |
| 1,223,225.51 | 23,912.83 | 3,520,920.80 | 4,768,059.14 | 135,778,669.49 |
| 34.0 | 34.2 | 18.7 | 14.7 | 39.5 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM

| Municipality..... | Acton | Agincourt | Ailsa Craig 464 | Alvinston | Amherst- burg 3,086 |
|---|-----------|-----------|-----------------------|-----------|---------------------------|
| Population..... | 1,895 | P.V. | | 690 | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 9,980.21 | 5,107.67 | 2,631.21 | 3,991.86 | 19,006.20 |
| Commercial light service..... | 3,956.25 | 1,136.42 | 1,469.89 | 2,354.46 | 6,657.90 |
| Commercial power service..... | 16,484.40 | 1,289.18 | 1,020.69 | 174.71 | 5,375.25 |
| Municipal power..... | 663.43 | | | 265.85 | |
| Street lighting..... | 1,824.00 | 750.04 | 620.50 | 1,854.00 | 2,270.22 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 329.11 | 89.61 | 302.49 | 96.30 | 675.97 |
| Total earnings..... | 33,237.40 | 8,372.92 | 6,044.78 | 8,737.18 | 33,985.54 |
| EXPENSES | | | | | |
| Power purchased..... | 26,866.21 | 5,342.11 | 4,525.23 | 6,549.36 | 21,591.10 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 2,361.66 | 423.59 | 254.61 | 42.24 | 2,350.28 |
| Line transformer maintenance..... | 160.25 | | | | 20.64 |
| Meter maintenance..... | 217.85 | | 169.51 | | 386.09 |
| Consumers' premises expenses..... | | | | | 34.04 |
| Street lighting, operation and main- tenance..... | 349.80 | 145.87 | 97.40 | 85.37 | 529.99 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 690.60 | | 181.24 | 251.00 | 2,303.87 |
| General office, salaries and expenses.. | 444.97 | 322.40 | 133.09 | 215.88 | 981.51 |
| Undistributed expenses..... | 233.58 | | 34.79 | 26.75 | 161.84 |
| Truck operation and maintenance.... | 140.29 | | | | 286.08 |
| Interest..... | 32.60 | 260.06 | | 742.73 | 1,456.46 |
| Sinking fund and principal payments on debentures..... | 649.58 | 566.40 | | 1,048.37 | 1,304.96 |
| Depreciation..... | 1,324.00 | 354.00 | 451.00 | 597.00 | 1,846.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 33,471.39 | 7,414.43 | 5,846.87 | 9,558.70 | 33,253.86 |
| Net surplus..... | | 958.49 | 197.91 | | 732.68 |
| Net loss..... | 233.99 | | | 821.52 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 482 | 143 | 130 | 151 | 586 |
| Commercial light service..... | 89 | 23 | 38 | 52 | 124 |
| Power service..... | 16 | 3 | 2 | 2 | 15 |
| Total..... | 587 | 169 | 170 | 205 | 725 |

“B”

Hydro Municipalities for Year Ended December 31, 1933

| Ancaster Twp. | Arkona 416 | Aylmer 1,989 | Ayr 768 | Baden P.V. | Beachville P.V. | Belle River 746 | Blenheim 1,690 |
|------------------|---------------|-----------------|------------|---------------|--------------------|--------------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,977.54 | 2,643.74 | 10,877.65 | 5,126.69 | 3,596.36 | 3,018.55 | 3,411.84 | 8,520.56 |
| 1,788.77 | 1,649.92 | 6,877.10 | 1,852.48 | 1,487.40 | 662.16 | 1,556.07 | 6,206.73 |
| 550.38 | 833.62 | 3,056.22 | 161.85 | 4,821.19 | 9,134.26 | 432.15 | 3,506.91 |
| 292.14 | | 901.31 | | | | 989.07 | 1,533.93 |
| 1,135.00 | 960.00 | 2,320.00 | 1,028.00 | 650.00 | 517.00 | 693.00 | 2,500.00 |
| | 38 | 1,113.27 | 15.35 | 86.31 | 303.60 | 244.79 | 162.66 |
| 12,743.83 | 6,087.66 | 25,145.55 | 8,184.37 | 10,641.26 | 13,635.57 | 7,326.92 | 22,430.79 |
| | | | | | | | |
| 7,961.94 | 4,013.87 | 15,973.03 | 5,664.40 | 8,521.58 | 14,486.13 | 4,459.87 | 13,304.73 |
| | | | | | | | |
| 1,136.55 | 131.54 | 2,584.85 | 535.05 | 260.99 | 55.64 | 457.55 | 798.77 |
| 68.32 | | 28.20 | | | 38.54 | 35.70 | 135.09 |
| 247.95 | | 211.86 | 17.64 | | 102.02 | 34.80 | 818.80 |
| | | | | | | | |
| 161.70 | 74.45 | 275.28 | 78.82 | 174.44 | 104.34 | 122.20 | 383.81 |
| | 206.25 | 663.29 | 430.86 | 427.32 | 271.71 | 295.86 | 18.44 |
| 1,540.36 | 88.70 | 1,218.10 | 57.60 | 54.61 | 171.57 | 317.06 | 934.41 |
| | | 144.64 | 27.00 | 23.20 | 25.68 | 26.38 | 1,127.42 |
| | | | | | | | 378.57 |
| 544.61 | 626.95 | 1,228.83 | 365.81 | 115.60 | 141.30 | 350.65 | 592.31 |
| 291.10 | 563.21 | 1,280.35 | 349.60 | 209.66 | 223.30 | 390.39 | 476.84 |
| 844.00 | 322.00 | 1,408.00 | 535.00 | 370.00 | 630.00 | 635.00 | 1,383.00 |
| | | | | | | | |
| 12,796.53 | 6,026.97 | 25,016.43 | 8,061.78 | 10,157.40 | 16,250.23 | 7,125.46 | 20,352.19 |
| | 60.69 | 129.12 | 122.59 | 483.86 | | 201.46 | 2,078.60 |
| 52.70 | | | | | 2,614.66 | | |
| | | | | | | | |
| 268 | 96 | 633 | 208 | 133 | 133 | 207 | 490 |
| 37 | 36 | 133 | 45 | 35 | 20 | 46 | 126 |
| 5 | | 13 | 3 | 3 | 4 | 4 | 10 |
| 310 | 132 | 779 | 256 | 171 | 157 | 257 | 626 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Blyth | Bolton | Bothwell | Brampton | Brantford |
|--|----------|----------|----------|-----------|------------|
| Population..... | 602 | 593 | 646 | 5,413 | 30,724 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,893.93 | 3,426.17 | 2,710.60 | 36,818.92 | 184,129.33 |
| Commercial light service..... | 1,821.29 | 967.73 | 1,259.10 | 16,148.10 | 62,992.72 |
| Commercial power service..... | 1,184.15 | 2,327.48 | 618.20 | 15,162.91 | 163,495.28 |
| Municipal power..... | | | 145.94 | 2,458.88 | 21,488.11 |
| Street lighting..... | 1,300.00 | 1,113.99 | 1,293.00 | 5,426.50 | 34,414.16 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 10.07 | 9.70 | 615.39 | 1,329.01 | 3,924.88 |
| Total earnings..... | 8,209.44 | 7,845.07 | 6,642.23 | 77,344.32 | 470,444.48 |
| EXPENSES | | | | | |
| Power purchased..... | 4,895.80 | 5,020.91 | 4,653.08 | 63,640.64 | 317,694.31 |
| Substation operation..... | | | | 114.86 | 7,722.48 |
| Substation maintenance..... | | | | | 574.83 |
| Distribution system, operation and maintenance..... | 154.62 | 288.20 | 104.55 | 2,916.26 | 14,197.85 |
| Line transformer maintenance..... | | | | 95.95 | 219.06 |
| Meter maintenance..... | | | 99.95 | 648.71 | 4,833.18 |
| Consumers' premises expenses..... | | 65 | | | 414.50 |
| Street lighting, operation and maintenance..... | 81.90 | 242.64 | 189.10 | 779.03 | 4,528.75 |
| Promotion of business..... | | | | | 769.78 |
| Billing and collecting..... | | | 240.68 | 1,614.35 | 9,293.44 |
| General office, salaries and expenses.. | 278.29 | 419.50 | 252.10 | 973.30 | 9,594.42 |
| Undistributed expenses..... | | | 15.00 | 775.93 | 3,935.12 |
| Truck operation and maintenance..... | | | | 240.73 | 2,363.12 |
| Interest..... | 544.24 | 332.87 | 202.30 | 731.77 | 27,940.74 |
| Sinking fund and principal payments on debentures..... | 986.82 | 536.14 | 170.30 | 3,056.52 | 50,548.93 |
| Depreciation..... | 433.00 | 544.00 | 531.00 | 4,267.00 | 22,601.00 |
| Other reserves..... | | | | 91.26 | 2,000.00 |
| Total operating costs and fixed charges..... | 7,374.67 | 7,384.91 | 6,458.06 | 79,946.31 | 479,231.51 |
| Net surplus..... | 834.77 | 460.16 | 184.17 | | |
| Net loss..... | | | | 2,601.99 | 8,787.03 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 158 | 162 | 169 | 1,369 | 7,384 |
| Commercial light service..... | 55 | 43 | 48 | 232 | 1,124 |
| Power service..... | 5 | 9 | 5 | 54 | 229 |
| Total..... | 218 | 214 | 222 | 1,655 | 8,737 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Brantford Twp. | Bridgeport P.V. | Brigden P.V. | Brussels 770 | Burford P.V. | Burgess- ville P.V. | Caledonia 1,400 | Campbell- ville P.V. |
|-------------------|--------------------|-----------------|-----------------|-----------------|---------------------------|--------------------|----------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 18,445.68 | 3,714.20 | 2,306.85 | 5,318.84 | 4,240.32 | 1,254.32 | 5,314.46 | 1,317.96 |
| 3,947.57 | 1,049.03 | 1,754.03 | 2,803.16 | 944.20 | 581.80 | 3,877.51 | 488.67 |
| 3,972.99 | 259.09 | 1,026.74 | 749.06 | 1,532.87 | 286.05 | 2,303.00 | ..... |
| 4,250.50 | 580.00 | 745.00 | 1,284.00 | 737.04 | 312.00 | 1,546.98 | 456.00 |
| 705.23 | ..... | 101.35 | 94.27 | 235.01 | ..... | 102.76 | 57.72 |
| 31,321.97 | 5,602.32 | 5,933.97 | 10,249.33 | 7,689.44 | 2,434.17 | 13,144.71 | 2,320.35 |
| 17,753.55 | 3,643.91 | 4,236.29 | 5,919.99 | 4,794.58 | 2,220.69 | 8,346.97 | 1,570.04 |
| 1,453.89 | 45.35 | 472.47 | 323.02 | 96.29 | 143.76 | 1,391.15 | 67.92 |
| 125.31 | 20.17 | ..... | ..... | ..... | ..... | 21.50 | ..... |
| 366.43 | 156.17 | 5.51 | ..... | 81.19 | ..... | 79.46 | ..... |
| 951.59 | 45.60 | 63.85 | 122.16 | 62.03 | 29.07 | 280.15 | 39.17 |
| 105.55 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1,924.54 | 319.01 | 221.57 | ..... | 408.85 | 112.13 | 476.62 | ..... |
| 1,625.98 | 71.22 | 104.21 | 640.34 | 125.41 | 5.63 | 210.57 | 108.63 |
| 58.43 | 21.50 | 25.00 | ..... | 22.66 | 17.25 | 84.60 | ..... |
| 1,581.82 | 611.05 | 66.17 | 782.14 | 37.30 | 62.72 | 121.25 | 231.03 |
| 3,211.39 | ..... | 270.19 | 975.14 | 363.91 | 254.20 | 240.07 | 257.20 |
| 2,474.00 | 499.00 | 345.00 | 563.00 | 463.00 | 200.00 | 770.00 | 112.00 |
| ..... | ..... | ..... | ..... | ..... | 85.41 | ..... | ..... |
| 31,632.48 | 5,432.98 | 5,810.26 | 9,325.79 | 6,455.22 | 3,130.86 | 12,022.74 | 2,385.99 |
| ..... | 169.34 | 123.71 | 923.54 | 1,234.22 | ..... | 1,121.97 | ..... |
| 310.51 | ..... | ..... | ..... | ..... | 696.69 | ..... | 65.64 |
| 751 | 110 | 108 | 221 | 191 | 54 | 326 | 40 |
| 45 | 19 | 43 | 66 | 32 | 21 | 86 | 8 |
| 5 | 4 | 5 | 2 | 4 | 2 | 8 | ..... |
| 801 | 133 | 156 | 289 | 227 | 77 | 420 | 48 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Cayuga | Chatham | Chippawa | Clifford | Clinton |
|--|----------|------------|----------|----------|-----------|
| Population..... | 705 | 16,223 | 1,073 | 454 | 1,842 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,271.60 | 79,868.02 | 6,135.21 | 2,341.49 | 11,717.71 |
| Commercial light service..... | 2,867.78 | 67,913.97 | 1,079.44 | 1,581.17 | 5,931.47 |
| Commercial power service..... | 1,404.86 | 46,853.22 | 318.50 | 119.86 | 4,669.21 |
| Municipal power..... | | 4,799.33 | 744.38 | | 1,128.13 |
| Street lighting..... | 1,431.00 | 19,009.95 | 1,096.00 | 862.17 | 1,987.02 |
| Merchandise..... | 12.92 | 329.77 | | | |
| Miscellaneous..... | | 1,133.54 | 12.15 | 9.90 | 1,175.22 |
| Total earnings..... | 8,988.16 | 219,907.80 | 9,385.68 | 4,914.59 | 26,608.76 |
| EXPENSES | | | | | |
| Power purchased..... | 5,298.58 | 119,898.76 | 5,133.34 | 3,813.03 | 16,906.79 |
| Substation operation..... | | 5,988.79 | | | 100.35 |
| Substation maintenance..... | | 2,324.89 | | | |
| Distribution system, operation and maintenance..... | 653.53 | 4,881.02 | 1,068.72 | 27.93 | 602.11 |
| Line transformer maintenance..... | 1.30 | 1,416.01 | | | 88.72 |
| Meter maintenance..... | 71.85 | 4,852.10 | 13.50 | 9.95 | 139.83 |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and maintenance..... | 46.91 | 3,536.35 | 326.21 | 31.99 | 71.08 |
| Promotion of business..... | | 2,652.53 | 2.25 | | |
| Billing and collecting..... | 559.34 | 10,330.56 | 441.73 | 297.02 | 885.28 |
| General office, salaries and expenses.. | 166.10 | 13,592.03 | 498.39 | 84.57 | 1,794.78 |
| Undistributed expenses..... | 60.17 | 3,752.63 | 96.69 | 24.28 | 418.72 |
| Truck operation and maintenance..... | | 2,093.69 | | | 115.01 |
| Interest..... | 782.16 | 14,583.71 | 463.25 | 380.95 | 2,437.40 |
| Sinking fund and principal payments on debentures..... | 880.27 | 14,405.79 | 747.52 | 169.49 | 1,305.66 |
| Depreciation..... | 535.00 | 15,250.29 | 889.00 | 281.00 | 1,860.00 |
| Other reserves..... | | 251.92 | | | |
| Total operating costs and fixed charges..... | 9,055.21 | 219,811.07 | 9,680.60 | 5,120.21 | 26,725.73 |
| Net surplus..... | | 96.73 | | | |
| Net loss..... | 67.05 | | 294.92 | 205.62 | 116.97 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 121 | 3,730 | 331 | 105 | 504 |
| Commercial light service..... | 54 | 716 | 31 | 40 | 129 |
| Power service..... | 4 | 98 | 6 | 1 | 15 |
| Total..... | 179 | 4,544 | 368 | 146 | 648 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Comber | Cottam | Courtright | Dashwood | Delaware | Dorchester | Drayton | Dresden |
|----------|----------|------------|----------|----------|------------|----------|-----------|
| P.V. | P.V. | 348 | P.V. | P.V. | P.V. | 559 | 1,488 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,354.18 | 2,545.36 | 1,604.43 | 1,532.16 | 1,331.90 | 2,483.10 | 3,093.75 | 6,212.10 |
| 2,292.75 | 1,298.35 | 941.55 | 879.68 | 601.43 | 818.97 | 1,887.84 | 5,002.21 |
| 3,049.83 | 389.53 | 98.47 | 576.61 | | 269.73 | 1,017.47 | 4,462.18 |
| | | 792.82 | | | | | 445.09 |
| 512.00 | 457.50 | 774.00 | 451.00 | 264.00 | 590.00 | 750.00 | 1,758.36 |
| | | | | | | | 150.42 |
| 76.09 | 84.24 | 31.18 | 112.02 | 158.18 | 118.77 | 230.00 | 200.62 |
| 8,284.85 | 4,774.98 | 4,242.45 | 3,551.47 | 2,355.51 | 4,280.57 | 6,979.06 | 18,230.98 |
| 6,315.79 | 2,582.55 | 3,137.10 | 2,543.64 | 1,439.07 | 3,257.94 | 5,684.26 | 12,059.91 |
| 99.98 | 113.58 | 15.54 | 135.93 | 27.10 | 24.94 | 202.16 | 1,761.19 |
| | 98.55 | | | | 79.35 | | |
| 20.35 | 9.30 | | 60 | 8.11 | 67.51 | | 123.57 |
| 68.88 | 106.33 | 57.75 | 30.23 | 25.72 | 28.88 | 110.98 | 237.30 |
| 262.24 | | 98.45 | 133.40 | | 130.58 | | 616.53 |
| 237.23 | 427.24 | 66.09 | 3.29 | 132.56 | 7.54 | 252.33 | 558.01 |
| 37.98 | | 15.75 | 20.75 | 12.50 | 11.25 | 28.09 | 76.85 |
| 119.65 | 397.23 | 248.36 | 128.10 | 115.83 | 134.24 | 403.00 | 70.88 |
| 472.48 | 355.91 | 593.46 | 111.56 | 144.91 | 148.31 | 287.98 | 691.43 |
| 434.00 | 338.00 | 215.00 | 204.00 | 145.00 | 335.00 | 516.00 | 841.00 |
| | | | | | | | 225.00 |
| 8,068.58 | 4,428.69 | 4,447.50 | 3,311.50 | 2,050.80 | 4,225.54 | 7,484.80 | 17,261.67 |
| 216.27 | 346.29 | | 239.97 | 304.71 | 55.03 | | 969.31 |
| | | 205.05 | | | | 505.74 | |
| 98 | 105 | 58 | 66 | 48 | 124 | 147 | 372 |
| 49 | 28 | 23 | 27 | 18 | 26 | 58 | 122 |
| 3 | 1 | 2 | 1 | | 1 | 4 | 10 |
| 150 | 134 | 83 | 94 | 66 | 151 | 209 | 504 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

| Municipality..... | Drumbo | Dublin | Dundas | Dunnville | Dutton |
|--|----------|----------|-----------|-----------|-----------|
| Population..... | P.V. | P.V. | 5,138 | 3,615 | 761 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 2,130.97 | 1,334.24 | 20,753.93 | 13,505.31 | 3,545.07 |
| Commercial light service..... | 1,039.19 | 887.79 | 10,660.40 | 11,480.33 | 2,534.26 |
| Commercial power service..... | 753.76 | 451.79 | 16,577.44 | 11,461.99 | 3,552.14 |
| Municipal power..... | | | 594.35 | 2,378.46 | |
| Street lighting..... | 522.50 | 750.00 | 5,388.00 | 3,941.88 | 999.37 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 77.89 | | 286.71 | 222.89 | 270.99 |
| Total earnings..... | 4,524.31 | 3,423.82 | 54,260.83 | 42,990.86 | 10,901.83 |
| EXPENSES | | | | | |
| Power purchased..... | 2,635.74 | 2,232.76 | 34,814.68 | 23,174.74 | 7,784.84 |
| Substation operation..... | | | 86.94 | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 208.09 | 60.93 | 5,250.20 | 1,718.56 | 362.81 |
| Line transformer maintenance..... | | | 37.12 | 20.93 | 183.13 |
| Meter maintenance..... | 107.72 | | 828.99 | 137.69 | 116.98 |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and maintenance..... | 65.01 | 80.11 | 461.63 | 466.57 | 223.64 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 162.01 | 150.06 | 1,112.40 | | 331.72 |
| General office, salaries and expenses..... | 101.63 | 21.92 | 1,682.98 | 2,479.32 | 138.65 |
| Undistributed expenses..... | 11.25 | 15.75 | 744.77 | 167.93 | 26.79 |
| Truck operation and maintenance..... | | | 683.22 | 177.65 | |
| Interest..... | 129.73 | 148.19 | 1,465.43 | 3,022.70 | 346.67 |
| Sinking fund and principal payments on debentures..... | 163.00 | 441.49 | 2,082.65 | 2,487.10 | 340.60 |
| Depreciation..... | 270.00 | 271.00 | 4,028.00 | 3,052.00 | 548.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 3,854.18 | 3,422.21 | 53,279.01 | 36,905.19 | 10,403.83 |
| Net surplus..... | 670.13 | 1.61 | 981.82 | 6,085.67 | 498.00 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 82 | 40 | 1,219 | 766 | 204 |
| Commercial light service..... | 25 | 22 | 193 | 199 | 71 |
| Power service..... | 1 | 3 | 40 | 34 | 7 |
| Total..... | 108 | 65 | 1,452 | 999 | 282 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| East Windsor 14,333 | East York Twp. | Elmira 2,642 | Elora 1,144 | Embro 455 | Erieau 264 | Erie Beach 23 | Essex 1,888 |
|------------------------|----------------|-----------------|----------------|--------------|---------------|------------------|----------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 74,849.48 | 175,276.26 | 15,672.17 | 7,125.01 | 2,758.79 | 3,652.19 | 1,518.16 | 7,502.00 |
| 16,038.88 | 23,952.07 | 5,681.70 | 3,524.48 | 1,586.05 | 1,058.34 | 258.57 | 4,666.24 |
| 30,604.10 | 22,408.69 | 3,599.66 | 2,907.45 | 1,530.55 | 879.43 | | 4,383.42 |
| | 5,117.31 | 827.29 | | | | | 1,669.44 |
| 8,419.92 | 19,637.45 | 1,834.00 | 1,674.00 | 672.00 | 360.00 | | 3,134.99 |
| | | | 96.94 | | | | |
| | 142.38 | 442.39 | 397.09 | 61.67 | | | 502.16 |
| 129,912.38 | 246,534.16 | 28,057.21 | 15,724.97 | 6,609.06 | 5,949.96 | 1,776.73 | 21,858.25 |
| 73,289.08 | 158,535.98 | 20,696.12 | 10,335.79 | 4,285.42 | 3,747.85 | 877.83 | 11,571.99 |
| 6,497.35 | 7,781.53 | 1,768.00 | 2,432.24 | 79.77 | 106.41 | 175.27 | 232.78 |
| 317.06 | 2,102.43 | | 17.56 | 23.14 | 55.35 | | 49.42 |
| 2,799.55 | 3,006.62 | 124.63 | 68.16 | 4.68 | 89.42 | 11.34 | 64.66 |
| 2,459.49 | 1,147.19 | | | | | | |
| 2,718.77 | 2,074.15 | 105.99 | 148.71 | 204.55 | 54.82 | | 282.06 |
| 2,480.64 | | | | | | | |
| 10,294.90 | 10,636.12 | 635.45 | 691.55 | 343.12 | 319.65 | 160.38 | 778.48 |
| 4,553.33 | 9,862.66 | 716.84 | 454.05 | 141.51 | 118.19 | 8.16 | 1,927.41 |
| 3,029.19 | 3,817.34 | 412.43 | 364.32 | 17.59 | 61.32 | 7.50 | 159.90 |
| 3,062.93 | 3,770.91 | 158.85 | 105.04 | | | | 213.97 |
| 3,581.12 | 15,151.56 | 1,457.16 | 237.19 | 228.61 | 313.92 | 161.51 | 1,071.96 |
| 6,708.47 | 14,214.38 | 1,573.21 | 732.10 | 434.85 | 324.96 | 127.23 | 476.71 |
| 7,767.00 | 12,772.00 | 1,978.00 | 1,070.00 | 477.00 | 325.00 | 76.00 | 1,638.00 |
| | 221.63 | | | | | | |
| 129,558.88 | 245,094.50 | 29,626.68 | 16,656.71 | 6,240.24 | 5,516.89 | 1,605.22 | 18,467.34 |
| 353.50 | 1,439.66 | | | 368.82 | 433.07 | 171.51 | 3,390.91 |
| | | 1,569.47 | 931.74 | | | | |
| 2,971 | 8,744 | 505 | 307 | 99 | 138 | 63 | 413 |
| 266 | 367 | 115 | 73 | 45 | 12 | 3 | 112 |
| 33 | 35 | 22 | 2 | 1 | 2 | | 17 |
| 3,270 | 9,146 | 642 | 382 | 145 | 152 | 66 | 542 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

| Municipality | Etobicoke Twp. | Exeter | Fergus | Fonthill | Forest |
|--|-------------------|-----------|-----------|----------|-----------|
| Population | | 1,622 | 2,559 | 862 | 1,465 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service | 93,889.08 | 11,406.32 | 15,720.00 | 4,877.99 | 10,865.60 |
| Commercial light service | 16,220.69 | 4,896.67 | 6,278.16 | 974.73 | 5,208.04 |
| Commercial power service | 11,212.72 | 4,064.90 | 7,615.45 | 238.17 | 4,209.01 |
| Municipal power | 4,478.63 | 542.21 | 799.21 | 358.68 | 1,062.18 |
| Street lighting | 13,415.13 | 1,998.94 | 2,915.04 | 1,065.00 | 2,321.00 |
| Merchandise | | | 102.64 | | 49.28 |
| Miscellaneous | 394.27 | 570.76 | | 8.59 | 652.87 |
| Total earnings | 139,610.52 | 23,479.80 | 33,430.50 | 7,523.16 | 24,367.98 |
| EXPENSES | | | | | |
| Power purchased | 86,749.14 | 15,467.63 | 23,979.90 | 3,816.05 | 14,351.36 |
| Substation operation | | | | | |
| Substation maintenance | | | | | |
| Distribution system, operation and maintenance | 8,161.68 | 566.83 | 1,216.19 | 570.53 | 703.43 |
| Line transformer maintenance | 679.56 | 34.20 | 72.50 | | |
| Meter maintenance | 1,199.31 | 326.61 | 396.64 | | 102.81 |
| Consumers' premises expenses | | | 12.00 | | |
| Street lighting, operation and main- tenance | 1,515.61 | 264.73 | 290.68 | 42.35 | 367.88 |
| Promotion of business | 1,045.34 | 77.96 | | 30 | |
| Billing and collecting | 4,436.42 | 423.42 | 630.82 | | 497.48 |
| General office, salaries and expenses .. | 2,655.76 | 2,174.67 | 768.22 | 486.84 | 2,214.48 |
| Undistributed expenses | 2,535.06 | 109.12 | 207.43 | | 196.97 |
| Truck operation and maintenance | 1,645.09 | 101.52 | 281.63 | | 284.37 |
| Interest | 11,330.30 | 458.58 | 1,135.77 | 1,019.53 | 645.65 |
| Sinking fund and principal payments on debentures | 11,534.81 | 960.47 | 2,836.71 | 1,020.98 | 1,056.82 |
| Depreciation | 10,411.00 | 1,334.00 | 1,510.00 | 472.00 | 1,389.00 |
| Other reserves | | | | | |
| Total operating costs and fixed charges | 143,899.08 | 22,299.74 | 33,338.49 | 7,428.58 | 21,810.25 |
| Net surplus | | 1,180.06 | 92.01 | 94.58 | 2,557.73 |
| Net loss | 4,288.56 | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service | 3,114 | 452 | 618 | 194 | 458 |
| Commercial light service | 212 | 121 | 116 | 33 | 139 |
| Power service | 22 | 9 | 13 | 5 | 24 |
| Total | 3,348 | 582 | 747 | 232 | 621 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Galt 14,036 | George- town 2,187 | Glencoe 800 | Goderich 4,366 | Granton P.V. | Guelph 20,754 | Hagers- ville 1,370 | Hamilton 154,701 |
|----------------|--------------------------|----------------|-------------------|-----------------|------------------|---------------------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 103,490.42 | 14,067.98 | 5,470.81 | 29,614.29 | 1,692.71 | 103,446.51 | 4,816.57 | 896,836.05 |
| 41,981.08 | 6,022.90 | 3,152.02 | 13,509.59 | 1,028.21 | 49,053.55 | 4,468.97 | 346,737.41 |
| 72,488.00 | 22,190.68 | 1,541.71 | 10,640.48 | 830.74 | 95,347.14 | 11,477.85 | 1,453,362.29 |
| 4,441.00 | 506.49 | 1,432.99 | 3,429.33 | | 11,864.16 | | 54,487.69 |
| 21,384.00 | 2,125.83 | 1,934.00 | 3,791.50 | 370.00 | 18,499.79 | 1,732.00 | 123,449.34 |
| | | | | | 755.77 | 39.69 | |
| 3,295.62 | 737.63 | 41.24 | 187.81 | 175.66 | 1,488.05 | 859.54 | 22,459.92 |
| 247,080.12 | 45,651.51 | 13,572.77 | 61,173.00 | 4,097.32 | 280,454.97 | 23,394.62 | 2,897,332.70 |
| 157,535.71 | 35,878.07 | 9,215.72 | 41,623.21 | 3,110.71 | 210,624.16 | 19,561.72 | 2,048,010.95 |
| 4,287.58 | | | 1,750.09 | | 3,044.97 | | 61,889.21 |
| 75.93 | | | | | | | 8,450.50 |
| 2,914.71 | 1,053.03 | 582.40 | 2,215.79 | 121.42 | 9,751.83 | 2,655.22 | 36,860.80 |
| 67.52 | 37.09 | | 171.64 | | 705.37 | 83.11 | 9,473.80 |
| 2,876.05 | 344.98 | | 543.81 | | 2,821.57 | 183.71 | 17,589.68 |
| | | | | | 210.69 | | 14,698.25 |
| 3,153.09 | 274.80 | 222.10 | 623.28 | 18.52 | 6,996.40 | 128.14 | 13,053.04 |
| 4,358.94 | | | | | 219.75 | | 17,737.88 |
| 3,798.16 | 1,638.32 | 532.69 | 1,826.10 | 159.75 | 6,000.48 | 540.44 | 50,189.04 |
| 3,797.30 | 782.25 | 333.84 | 2,134.74 | 85.85 | 8,653.05 | 660.12 | 42,784.91 |
| 4,270.43 | 168.01 | 46.49 | 218.67 | 15.98 | 4,432.87 | 146.71 | 43,371.88 |
| 733.80 | 543.13 | 126.17 | 203.68 | | 1,323.37 | 544.40 | |
| 16,351.29 | 691.85 | 539.24 | 2,714.49 | 143.70 | 2,774.40 | 177.04 | 250,855.06 |
| 18,563.27 | 765.41 | 981.45 | 2,231.60 | 119.18 | 5,656.52 | 373.76 | 292,021.39 |
| 22,878.00 | 1,982.00 | 906.00 | 5,189.00 | 221.00 | 12,845.00 | 1,068.00 | 127,175.00 |
| 3,000.00 | | | | | | | |
| 248,661.78 | 44,158.94 | 13,486.10 | 61,446.10 | 3,996.11 | 276,060.43 | 26,122.37 | 3,034,161.39 |
| | 1,492.57 | 86.67 | | 101.21 | 4,394.54 | | |
| 1,581.66 | | | 273.10 | | | 2,727.75 | 136,828.69 |
| 3,584 | 668 | 218 | 1,155 | 80 | 5,008 | 316 | 36,990 |
| 484 | 132 | 80 | 237 | 33 | 760 | 107 | 5,068 |
| 118 | 27 | 6 | 20 | 2 | 130 | 17 | 1,265 |
| 4,186 | 827 | 304 | 1,412 | 115 | 5,898 | 400 | 43,323 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

| Municipality..... | Harriston | Harrow | Hensall | Hespeler | Highgate |
|--|-----------|-----------|----------|-----------|----------|
| Population..... | 1,293 | 926 | 719 | 2,784 | 338 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 7,829.33 | 7,875.06 | 4,180.44 | 18,265.53 | 1,783.58 |
| Commercial light service..... | 4,842.28 | 3,499.99 | 1,800.34 | 4,916.32 | 976.17 |
| Commercial power service..... | 5,091.22 | 3,558.36 | 2,518.55 | 35,121.46 | 1,081.68 |
| Municipal power..... | 477.06 | | 37.56 | 1,103.95 | 39.01 |
| Street light..... | 1,467.00 | 1,249.44 | 996.00 | 2,965.00 | 568.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | | 50.19 | 244.24 | 496.57 | 170.08 |
| Total earnings..... | 19,706.89 | 16,233.04 | 9,777.13 | 62,868.83 | 4,618.52 |
| EXPENSES | | | | | |
| Power purchased..... | 13,089.24 | 12,347.82 | 6,992.59 | 49,949.40 | 2,972.71 |
| Substation operation..... | | | | 310.84 | |
| Substation maintenance..... | | | | 11.00 | |
| Distribution system, operation and maintenance..... | 1,182.25 | 150.05 | 332.27 | 2,384.26 | 37.77 |
| Line transformer maintenance..... | | 16.94 | | 42.72 | |
| Meter maintenance..... | 145.25 | 125.71 | | 169.36 | 9.40 |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and maintenance..... | 267.68 | 273.32 | 114.10 | 602.72 | 97.52 |
| Promotion of business..... | | 53.88 | | | |
| Billing and collecting..... | 825.74 | 632.60 | 348.50 | 661.59 | 348.63 |
| General office, salaries and expenses.. | 118.11 | 437.12 | 415.07 | 1,257.96 | 133.12 |
| Undistributed expenses..... | 93.03 | 28.25 | 29.35 | 482.34 | 15.75 |
| Truck operation and maintenance.... | 165.77 | | | 289.16 | |
| Interest..... | 577.59 | 526.23 | 438.95 | 2,000.75 | 177.84 |
| Sinking fund and principal payments on debentures..... | 721.66 | 519.93 | 423.48 | 2,735.69 | 165.85 |
| Depreciation..... | 953.00 | 682.00 | 625.00 | 2,492.00 | 333.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 18,139.32 | 15,793.85 | 9,719.31 | 63,389.79 | 4,291.59 |
| Net surplus..... | 1,567.57 | 439.19 | 57.82 | | 326.93 |
| Net loss..... | | | | 520.96 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 338 | 246 | 180 | 700 | 96 |
| Commercial light service..... | 105 | 77 | 52 | 108 | 37 |
| Power service..... | 12 | 4 | 14 | 28 | 6 |
| Total..... | 455 | 327 | 246 | 836 | 139 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Humberstone 2,265 | Ingersoll 5,296 | Jarvis 504 | Kingsville 2,286 | Kitchener 31,443 | Lambeth P.V. | La Salle 600 | Leamington 5,025 |
|----------------------|--------------------|---------------|---------------------|---------------------|-----------------|-----------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,447.65 | 31,581.32 | 2,396.78 | 14,073.03 | 193,447.44 | 3,387.28 | 6,313.91 | 25,306.03 |
| 2,998.76 | 14,380.17 | 1,868.82 | 6,544.89 | 98,357.80 | 1,511.67 | 1,666.45 | 13,751.06 |
| 3,912.05 | 23,673.54 | 4,220.35 | 3,366.09 | 197,453.09 | | 2,254.05 | 10,924.25 |
| | 2,039.45 | | 1,207.24 | 20,660.15 | 576.57 | | 5,324.06 |
| 1,367.00 | 4,851.48 | 840.00 | 3,220.00 | 32,415.74 | 459.00 | 577.50 | 5,456.34 |
| | 10.98 | | | | | | |
| 464.80 | 542.47 | 97.18 | 1,124.79 | 864.43 | 56.28 | 143.22 | 875.61 |
| 17,190.26 | 77,079.41 | 9,423.13 | 29,536.04 | 543,198.65 | 5,990.80 | 10,955.13 | 61,637.35 |
| 9,429.08 | 60,705.42 | 6,751.50 | 16,082.70 | 403,835.00 | 4,033.14 | 6,926.92 | 37,851.83 |
| | 717.50 | | | 8,771.81 | | | |
| | | | | 797.95 | | | |
| 814.30 | 2,674.64 | 171.40 | 1,008.75 | 14,680.84 | 51.32 | 426.32 | 2,637.19 |
| 2.40 | 562.49 | | 99.92 | 161.81 | 3.82 | | 47.21 |
| 26.80 | 148.22 | 20.50 | 249.01 | 4,404.47 | 127.38 | | 603.14 |
| | 189.53 | | | 1,378.55 | | | 62.43 |
| 122.38 | 510.23 | 45.10 | 658.69 | 6,701.85 | 47.50 | 90.00 | 939.31 |
| | 58.10 | | | 663.38 | | | |
| | 1,386.15 | 505.95 | 1,335.45 | 13,044.80 | | 571.10 | 2,306.04 |
| 839.28 | 4,635.02 | 36.73 | 1,032.46 | 13,430.50 | 217.33 | 503.40 | 2,965.10 |
| | 442.72 | 23.72 | 380.50 | 5,575.44 | 15.00 | 74.52 | 719.13 |
| 113.43 | 411.07 | | 191.77 | 3,851.29 | | 321.89 | 500.34 |
| 1,230.95 | 3,387.13 | 391.07 | 1,758.32 | 11,657.75 | 155.74 | 722.91 | 2,105.11 |
| 1,200.00 | 1,677.35 | 487.57 | 675.37 | 24,044.92 | 136.24 | 633.57 | 2,079.75 |
| 1,040.00 | 3,335.00 | 386.00 | 1,883.00 | 28,993.00 | 326.00 | 795.00 | 3,218.00 |
| | | | | 2,564.88 | | | |
| 14,818.62 | 80,840.57 | 8,819.54 | 25,355.94 | 544,558.24 | 5,113.47 | 11,065.63 | 56,034.58 |
| 2,371.64 | | 603.59 | 4,180.10 | | 877.33 | | 5,602.77 |
| | 3,761.16 | | | 1,359.59 | | 110.50 | |
| 500 | 1,265 | 120 | 706 | 7,117 | 109 | 198 | 1,324 |
| 64 | 234 | 36 | 174 | 956 | 28 | 21 | 255 |
| 7 | 44 | 4 | 14 | 239 | 2 | 5 | 26 |
| 571 | 1,543 | 160 | 894 | 8,312 | 139 | 224 | 1,605 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Listowel | London | London Twp. | Long Branch | Lucan |
|---|-----------|--------------|----------------|----------------|----------|
| Population..... | 2,665 | 73,173 | | 3,541 | 590 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 17,760.49 | 492,592.98 | 10,610.79 | 23,463.32 | 4,777.67 |
| Commercial light service..... | 7,947.24 | 188,474.27 | 2,446.39 | 5,270.04 | 1,617.17 |
| Commercial power service..... | 11,468.64 | 316,997.15 | 1,537.05 | 779.45 | 370.86 |
| Municipal power..... | 1,504.67 | 49,029.36 | | 994.12 | |
| Street lighting..... | 3,839.10 | 54,028.74 | 832.50 | 3,413.27 | 992.70 |
| Merchandise..... | | 2,894.60 | | | |
| Miscellaneous..... | 642.62 | 31,413.71 | 413.43 | 108.00 | 316.54 |
| Total earnings..... | 43,162.76 | 1,135,430.81 | 15,840.16 | 34,028.20 | 8,074.94 |
| EXPENSES | | | | | |
| Power purchased..... | 31,664.62 | 762,305.39 | 11,062.35 | 20,475.98 | 4,911.08 |
| Substation operation..... | 59.72 | 16,101.15 | | | |
| Substation maintenance..... | | 11,647.78 | | | |
| Distribution system, operation and maintenance..... | 2,560.37 | 19,767.37 | 287.19 | 3,418.08 | 609.43 |
| Line transformer maintenance..... | 244.27 | 3,134.48 | | 56.99 | |
| Meter maintenance..... | 556.56 | 13,465.77 | 246.96 | 229.85 | |
| Consumers' premises expenses..... | | 4,466.07 | | | |
| Street lighting, operation and main- tenance..... | 405.96 | 10,172.51 | 161.49 | 536.33 | 130.15 |
| Promotion of business..... | 11.54 | 5,969.48 | 7.11 | 11.25 | |
| Billing and collecting..... | 812.58 | 26,778.58 | 600.28 | 2,093.32 | 504.63 |
| General office, salaries and expenses.. | 617.08 | 33,679.83 | 665.10 | 1,934.47 | 400.37 |
| Undistributed expenses..... | 321.31 | 10,257.36 | 22.38 | 869.09 | 40.76 |
| Truck operation and maintenance.... | 173.88 | 6,431.59 | | | |
| Interest..... | 549.34 | 48,462.11 | 672.27 | 1,988.88 | 229.14 |
| Sinking fund and principal payments on debentures..... | 1,722.10 | 63,052.93 | 965.35 | 1,899.79 | 258.75 |
| Depreciation..... | 2,525.00 | 91,824.95 | 690.00 | 2,166.00 | 625.00 |
| Other reserves..... | | 12,166.28 | | | |
| Total operating costs and fixed fixed charges..... | 42,224.33 | 1,139,683.63 | 15,380.48 | 35,680.03 | 7,709.31 |
| Net surplus..... | 938.43 | | 459.68 | | 365.63 |
| Net loss..... | | 4,252.82 | | 1,651.83 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 726 | 16,367 | 330 | 899 | 174 |
| Commercial light service..... | 152 | 2,839 | 19 | 68 | 44 |
| Power service..... | 21 | 486 | 5 | 3 | 7 |
| Total..... | 899 | 19,692 | 354 | 970 | 225 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Lynden | Markham | Merlin | Merritton | Milton | Milverton | Mimico | Mitchell |
|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| P.V. | 1,073 | P.V. | 2,544 | 1,828 | 1,004 | 6,454 | 1,571 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,151.80 | 6,880.40 | 2,261.27 | 11,558.62 | 11,622.25 | 5,672.73 | 54,604.89 | 10,478.52 |
| 713.59 | 2,614.73 | 1,704.94 | 2,241.79 | 5,463.21 | 2,775.02 | 9,519.99 | 4,196.91 |
| 749.82 | 2,772.35 | 1,470.08 | 59,639.69 | 11,308.00 | 3,544.03 | 3,477.41 | 4,080.52 |
| | 490.25 | | | | 549.60 | 7,700.76 | 830.22 |
| 431.80 | 1,356.00 | 688.00 | 3,352.00 | 2,019.50 | 999.00 | 8,021.89 | 2,088.00 |
| | | | | | | | 927.11 |
| 7.53 | 160.67 | 326.39 | 267.85 | 1,740.01 | 87.10 | 121.05 | 190.59 |
| 4,054.54 | 14,274.40 | 6,450.68 | 77,059.95 | 32,152.97 | 13,627.48 | 83,445.99 | 22,791.87 |
| 3,247.16 | 9,272.27 | 3,979.24 | 64,931.76 | 20,567.45 | 10,295.00 | 53,807.49 | 14,560.37 |
| | | | | 244.13 | | | 102.77 |
| 64.20 | 947.59 | 89.98 | 3,073.20 | 1,660.68 | 329.65 | 7,089.10 | 670.34 |
| 11.59 | | 74.49 | 390.07 | 346.18 | 187.22 | 71.31 | |
| | 2.59 | | | | 3.57 | 950.83 | 220.80 |
| | | | | | | 13.00 | |
| 43.17 | 194.47 | 57.50 | 864.00 | 218.87 | 85.37 | 1,166.74 | 408.91 |
| | | | | 166.00 | | | |
| 160.49 | | 298.80 | 1,029.67 | 935.85 | 537.65 | 1,637.61 | 1,040.94 |
| 60.61 | 778.52 | 301.84 | 1,845.88 | 2,107.06 | 313.93 | 2,155.82 | 1,463.54 |
| 20.00 | | 15.00 | 193.05 | 200.38 | 191.66 | 313.27 | 661.46 |
| | 169.85 | | 339.22 | 355.63 | | 626.50 | 118.90 |
| 155.08 | 92.36 | 505.95 | 1,194.75 | 1,532.64 | 172.72 | 5,000.91 | 2.25 |
| 154.20 | 371.51 | 671.76 | 1,503.67 | | 677.11 | 5,353.04 | |
| 266.00 | 779.00 | 355.00 | 1,996.00 | 2,218.30 | 676.00 | 5,235.00 | 2,899.00 |
| | | | | | 675.00 | | |
| 4,182.50 | 12,608.16 | 6,349.56 | 77,361.27 | 30,553.17 | 14,144.88 | 83,420.62 | 22,149.28 |
| | 1,666.24 | 101.12 | | 1,599.80 | | 25.37 | 642.59 |
| 127.96 | | | 301.32 | | 517.40 | | |
| 81 | 272 | 104 | 700 | 456 | 223 | 1,760 | 429 |
| 21 | 66 | 45 | 60 | 104 | 71 | 138 | 99 |
| 1 | 11 | 2 | 11 | 21 | 7 | 15 | 24 |
| 103 | 349 | 151 | 771 | 581 | 301 | 1,913 | 552 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Moore- field P.V. | Mount Brydges P.V. | Newbury 267 | New Hamburg 1,426 | New Toronto 7,280 |
|---|-------------------------|--------------------------|----------------|-------------------------|-------------------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 1,068.82 | 2,832.07 | 1,266.73 | 10,770.96 | 32,307.33 |
| Commercial light service..... | 647.64 | 915.76 | 957.67 | 4,255.63 | 12,113.15 |
| Commercial power service..... | 1,161.94 | 917.24 | 760.22 | 4,594.44 | 95,773.91 |
| Municipal power..... | | | | | 10,926.65 |
| Street lighting..... | 375.00 | 500.00 | 720.00 | 2,258.75 | 8,913.96 |
| Merchandise..... | | | | 229.14 | |
| Miscellaneous..... | 54.73 | 211.45 | 24.86 | 173.23 | |
| Total earnings..... | 3,308.13 | 5,376.52 | 3,729.48 | 22,282.15 | 160,035.00 |
| EXPENSES | | | | | |
| Power purchased..... | 2,699.72 | 3,548.38 | 2,254.82 | 15,516.92 | 135,895.07 |
| Substation operation..... | | | | 369.04 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 21.60 | 176.30 | 98.95 | 319.24 | 4,627.57 |
| Line transformer maintenance..... | | | | | 337.04 |
| Meter maintenance..... | | 55.93 | | 497.92 | 636.05 |
| Consumers' premises expenses..... | | | | | 247.38 |
| Street lighting, operation and main- tenance..... | 25.31 | 43.75 | 48.70 | 353.29 | 1,777.42 |
| Promotion of business..... | | | | 29.09 | |
| Billing and collecting..... | | 173.57 | | 562.06 | 2,703.22 |
| General office, salaries and expenses.. | 118.82 | 106.30 | 124.83 | 839.54 | 4,806.67 |
| Undistributed expenses..... | | 21.73 | 15.75 | 116.20 | 1,468.24 |
| Truck operation and maintenance..... | | | | 232.15 | 1,157.29 |
| Interest..... | 94.38 | 137.64 | 295.96 | 385.97 | 827.68 |
| Sinking fund and principal payments on debentures..... | 290.65 | 152.72 | 500.00 | 792.52 | 304.25 |
| Depreciation..... | 185.00 | 290.00 | 287.00 | 1,300.00 | 5,205.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 3,435.48 | 4,706.32 | 3,626.01 | 21,313.94 | 159,992.88 |
| Net surplus..... | | 670.20 | 103.47 | 968.21 | 42.12 |
| Net loss..... | 127.35 | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 63 | 136 | 62 | 343 | 1,434 |
| Commercial light service..... | 27 | 36 | 27 | 93 | 151 |
| Power service..... | 2 | 3 | 2 | 14 | 34 |
| Total..... | 92 | 175 | 91 | 450 | 1,619 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Niagara Falls 18,507 | Niagara-on- the-Lake 1,672 | North York Twp. | Norwich 1,126 | Oil Springs 433 | Otterville P.V. | Palmerston 1,617 | Paris 4,330 |
|----------------------------|----------------------------------|--------------------|------------------|-----------------------|--------------------|---------------------|----------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 138,423.29 | 14,217.28 | 94,813.34 | 8,128.33 | 1,636.56 | 2,115.40 | 10,859.15 | 22,861.22 |
| 55,590.67 | 3,410.85 | 15,325.38 | 3,068.33 | 1,168.42 | 1,656.94 | 4,888.74 | 8,245.31 |
| 49,627.60 | 852.84 | 27,640.58 | 1,595.16 | 7,848.65 | 160.65 | 4,666.92 | 12,373.70 |
| 15,238.33 | 1,621.21 | 3,927.85 | 634.90 | | 108.10 | 1,900.85 | 1,225.00 |
| 28,392.66 | 2,833.31 | 3,675.61 | 2,120.00 | 750.00 | 780.51 | 1,738.98 | 5,838.90 |
| | 277.05 | | 94.35 | | | | |
| 59.69 | 322.31 | 480.97 | 192.95 | 222.67 | 124.91 | 6.32 | 1,798.24 |
| 287,332.24 | 23,534.85 | 145,863.73 | 15,834.02 | 11,626.30 | 4,946.51 | 24,060.96 | 52,342.37 |
| 181,553.04 | 13,429.40 | 81,895.54 | 11,067.84 | 7,107.19 | 3,596.84 | 17,853.90 | 33,767.22 |
| 10,386.43 | | | | | | | 170.46 |
| 8,858.38 | 2,362.97 | 10,471.07 | 1,467.21 | 535.44 | 43.30 | 649.80 | 4,756.19 |
| 168.28 | | 369.63 | | | 16.04 | 29.15 | 114.61 |
| 5,442.10 | 69.68 | 1,363.61 | 59.66 | 25.67 | 74.92 | 189.60 | 422.15 |
| | | | | | | | 96.36 |
| 3,355.89 | 485.67 | 674.97 | 263.59 | 39.47 | 70.56 | 355.74 | 660.87 |
| 7,215.69 | | 4,434.66 | 412.61 | 373.63 | 252.77 | 656.76 | 1,245.42 |
| 8,844.93 | 1,950.20 | 3,648.88 | 309.13 | 349.42 | 75.94 | 764.26 | 1,249.33 |
| 4,940.08 | | 2,610.56 | 178.85 | 82.73 | 19.50 | 99.37 | 303.78 |
| 3,348.62 | 331.58 | 3,298.98 | 176.20 | | | 115.45 | 352.11 |
| 20,800.73 | 1,220.07 | 20,862.62 | 332.92 | 364.39 | 73.13 | 366.42 | 564.23 |
| 24,472.06 | 949.10 | 15,944.89 | 565.34 | 1,128.19 | 329.40 | 863.87 | 696.52 |
| 23,016.00 | 1,519.00 | 11,206.00 | 822.00 | 691.00 | 410.00 | 1,213.00 | 4,915.00 |
| | | | | | | | 186.89 |
| 302,402.23 | 22,317.67 | 156,781.41 | 15,655.35 | 10,697.13 | 4,962.40 | 23,157.32 | 49,501.14 |
| | 1,217.18 | | 178.67 | 929.17 | | 903.64 | 2,841.23 |
| 15,069.99 | | 10,917.68 | | | 15.89 | | |
| 4,329 | 464 | 2,802 | 359 | 75 | 102 | 389 | 1,060 |
| 669 | 82 | 233 | 77 | 30 | 43 | 90 | 180 |
| 87 | 10 | 36 | 7 | 31 | 4 | 11 | 27 |
| 5,085 | 556 | 3,071 | 443 | 136 | 149 | 490 | 1,267 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Parkhill | Petrolia | Plattsville | Point Edward | Port Colborne |
|--|-----------|-----------|-------------|--------------|---------------|
| Population..... | 998 | 2,569 | P.V. | 1,211 | 6,006 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 4,742.41 | 11,576.04 | 2,610.72 | 5,693.23 | 27,055.82 |
| Commercial light service..... | 3,052.58 | 6,517.41 | 1,055.17 | 2,009.55 | 11,314.48 |
| Commercial power service..... | 287.57 | 21,684.65 | 532.83 | 17,972.48 | 6,914.32 |
| Municipal power..... | 538.80 | | | | 6,419.45 |
| Street lighting..... | 1,437.00 | 2,652.00 | 442.00 | 1,553.66 | 7,825.80 |
| Merchandise..... | | 238.00 | | | |
| Miscellaneous..... | 11.25 | 474.65 | 13.18 | 625.73 | |
| Total earnings..... | 10,069.61 | 43,142.75 | 4,653.90 | 27,854.65 | 59,529.87 |
| EXPENSES | | | | | |
| Power purchased..... | 7,747.92 | 27,646.63 | 3,065.25 | 22,880.12 | 35,390.98 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 261.19 | 2,497.23 | 62.40 | 397.55 | 1,838.03 |
| Line transformer maintenance..... | | 667.76 | | 15.15 | 337.74 |
| Meter maintenance..... | 170.70 | 298.02 | | 164.10 | 898.09 |
| Consumers' premises expenses..... | | | | | 81.56 |
| Street lighting, operation and maintenance..... | 222.30 | 371.74 | | 225.64 | 1,934.93 |
| Promotion of business..... | | | | | 726.10 |
| Billing and collecting..... | 251.15 | 457.21 | 166.85 | | 1,614.19 |
| General office, salaries and expenses..... | 108.20 | 2,032.92 | 7.86 | 1,848.80 | 3,357.49 |
| Undistributed expenses..... | 24.74 | 246.29 | 15.75 | 80.51 | 287.30 |
| Truck operation and maintenance..... | | 201.03 | | | 1,071.08 |
| Interest..... | 418.56 | 1,479.45 | 151.00 | 536.43 | 4,328.06 |
| Sinking fund and principal payments on debentures..... | 982.52 | 2,236.50 | 189.67 | 945.69 | 6,754.90 |
| Depreciation..... | 691.00 | 2,807.00 | 254.00 | 1,045.00 | 4,242.00 |
| Other reserves..... | | 400.00 | | | |
| Total operating costs and fixed charges..... | 10,878.28 | 41,341.78 | 3,912.78 | 28,138.99 | 62,862.45 |
| Net surplus..... | | 1,800.97 | 741.12 | | |
| Net loss..... | 808.67 | | | 284.34 | 3,332.58 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 238 | 667 | 91 | 300 | 1,249 |
| Commercial light service..... | 79 | 167 | 26 | 44 | 224 |
| Power service..... | 4 | 55 | 1 | 9 | 25 |
| Total..... | 321 | 889 | 118 | 353 | 1,498 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Port Credit 1,650 | Port Dalhousie 1,331 | Port Dover 1,680 | Port Rowan 674 | Port Stanley 723 | Preston 6,138 | Princeton P.V. | Queenston P.V. |
|-------------------------|----------------------------|------------------------|----------------------|------------------------|------------------|-------------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 13,127.25 | 13,147.96 | 8,036.80 | 3,479.35 | 12,781.37 | 40,489.55 | 2,143.41 | 2,539.83 |
| 4,609.43 | 2,736.23 | 4,405.46 | 1,657.90 | 3,704.61 | 15,920.17 | 697.24 | 818.72 |
| 892.93 | 5,038.13 | 4,976.57 | 90.49 | 3,470.65 | 32,698.58 | 3,075.76 | 187.73 |
| 1,311.91 | | | | 727.80 | 954.78 | | |
| 2,710.00 | 1,630.00 | 2,964.17 | 1,242.00 | 2,003.16 | 4,986.96 | 481.00 | 456.10 |
| 39.50 | 143.34 | | | 307.70 | 965.27 | 15.83 | 32.00 |
| 22,691.02 | 22,695.66 | 20,383.00 | 6,469.74 | 22,995.29 | 96,015.31 | 6,413.24 | 4,034.38 |
| 18,405.63 | 15,064.63 | 11,301.52 | 3,799.50 | 13,687.99 | 65,046.64 | 5,082.38 | 2,318.16 |
| | | | | | 4,301.33 | | |
| | | | | | 22.96 | | |
| 837.14 | 1,652.03 | 936.71 | 246.25 | 2,080.79 | 2,559.87 | 60.82 | 199.22 |
| 39.24 | | 56.86 | | 2.60 | 438.79 | | |
| 52.35 | 439.26 | 151.60 | 55.78 | 133.50 | 1,256.03 | | |
| 21.95 | | | | | 98.73 | | |
| 326.73 | 261.00 | 346.75 | 48.61 | 173.62 | 884.59 | 75.58 | 67.54 |
| | | | | | 52.16 | | |
| 1,192.01 | 657.00 | 454.66 | 204.00 | 617.47 | 1,693.98 | 160.75 | |
| 411.33 | 786.86 | 292.58 | 188.66 | 598.46 | 1,499.78 | 34.75 | 324.05 |
| 53.19 | 70.44 | 30.98 | 23.41 | 115.19 | 815.07 | 22.50 | |
| | 336.80 | | | 205.65 | 650.66 | | |
| 416.49 | 663.30 | 800.23 | 1,009.32 | 411.44 | 2,831.28 | 104.06 | 346.57 |
| 535.09 | 1,277.85 | 2,094.47 | 400.17 | 821.38 | 5,185.56 | 128.58 | 465.37 |
| 1,466.00 | 947.00 | 1,260.00 | 338.00 | 1,231.00 | 8,095.00 | 244.00 | 318.00 |
| | | | | | 100.00 | | |
| 23,757.15 | 22,156.17 | 17,726.36 | 6,313.70 | 20,079.09 | 95,532.43 | 5,913.42 | 4,038.91 |
| | 539.49 | 2,656.64 | 156.04 | 2,916.20 | 482.88 | 499.82 | |
| 1,066.13 | | | | | | | 4.53 |
| 400 | 587 | 476 | 101 | 596 | 1,552 | 77 | 68 |
| 72 | 55 | 122 | 30 | 97 | 237 | 20 | 11 |
| 6 | 10 | 12 | 1 | 10 | 57 | 3 | 1 |
| 478 | 652 | 610 | 132 | 703 | 1,846 | 100 | 80 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Richmond Hill 1,270 | Ridgetown 1,942 | Riverside 5,125 | Rockwood P.V. | Rodney 757 |
|---|---------------------------|--------------------|--------------------|------------------|---------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 7,421.53 | 9,111.63 | 38,813.62 | 2,976.57 | 3,349.64 |
| Commercial light service..... | 3,736.73 | 4,836.72 | 4,275.26 | 948.07 | 2,393.00 |
| Commercial power service..... | 2,507.11 | 3,477.74 | 7,569.56 | 257.99 | 2,172.43 |
| Municipal power..... | 472.46 | 827.82 | 2,087.37 | | |
| Street lighting..... | 1,389.00 | 3,115.00 | 2,919.72 | 765.00 | 1,032.02 |
| Merchandise..... | 52.93 | 141.12 | | | |
| Miscellaneous..... | 116.28 | 637.53 | 255.37 | 53.83 | 150.00 |
| Total earnings..... | 15,696.04 | 22,147.56 | 55,920.90 | 5,001.46 | 9,097.09 |
| EXPENSES | | | | | |
| Power purchased..... | 9,004.24 | 16,469.32 | 38,002.59 | 3,814.30 | 6,127.85 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,258.92 | 1,108.70 | 859.37 | 145.33 | 404.14 |
| Line transformer maintenance..... | | 246.14 | 89.42 | | |
| Meter maintenance..... | | 522.16 | 1,012.70 | 45.78 | 148.72 |
| Consumers' premises expenses..... | | 62.09 | 943.00 | | |
| Street lighting, operation and main- tenance..... | 229.97 | 459.66 | 835.60 | 64.50 | 184.30 |
| Promotion of business..... | | | 865.47 | | |
| Billing and collecting..... | | 1,024.60 | 3,635.25 | | 347.50 |
| General office, salaries and expenses.. | 600.21 | 940.62 | 1,783.18 | 444.78 | 245.57 |
| Undistributed expenses..... | | 74.10 | 1,133.43 | 22.92 | 29.51 |
| Truck operation and maintenance..... | | 167.18 | 943.13 | | |
| Interest..... | 257.60 | 415.26 | 3,491.29 | 121.22 | 314.96 |
| Sinking fund and principal payments on debentures..... | 677.16 | 357.66 | 3,761.13 | 79.39 | 276.37 |
| Depreciation..... | 533.00 | 1,300.00 | 3,871.00 | 427.00 | 425.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 12,561.10 | 23,147.49 | 61,226.56 | 5,165.22 | 8,503.92 |
| Net surplus..... | 3,134.94 | | | | 593.17 |
| Net loss..... | | 999.93 | 5,305.66 | 163.76 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 321 | 557 | 1,081 | 145 | 202 |
| Commercial light service..... | 60 | 144 | 47 | 34 | 73 |
| Power service..... | 17 | 24 | 8 | 2 | 7 |
| Total..... | 398 | 725 | 1 136 | 181 | 282 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| St. Catharines | St. Clair Beach | St. George | St. Jacobs | St. Marys | St. Thomas | Sandwich |
|----------------|--------------------|------------|------------|-----------|------------|------------|
| 26,192 | | P.V. | P.V. | 4,016 | 16,275 | 11,017 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 144,062.04 | 2,297.29 | 2,876.52 | 3,829.52 | 28,360.01 | 107,077.52 | 88,361.44 |
| 47,684.43 | 1,133.89 | 1,026.14 | 1,134.57 | 9,291.65 | 46,670.29 | 16,649.87 |
| 86,508.23 | 374.68 | 2,168.29 | 1,030.20 | 14,183.81 | 42,915.85 | 12,067.13 |
| | | | | 2,674.49 | 5,617.68 | |
| 20,524.24 | | 370.50 | 460.00 | 4,096.75 | 14,604.46 | 9,874.46 |
| | | | | 189.10 | | 140.31 |
| 4,262.84 | | 110.99 | 160.58 | 187.53 | 2,789.64 | 562.62 |
| 303,041.78 | 3,805.86 | 6,552.44 | 6,614.87 | 58,983.34 | 219,675.44 | 127,655.83 |
| 190,682.11 | 2,786.45 | 5,749.34 | 5,359.74 | 46,680.61 | 158,232.48 | 91,437.13 |
| 4,174.09 | | | | 1,150.76 | 6,982.45 | |
| | | | | 95.82 | 1,549.23 | 24.40 |
| 12,430.10 | 136.34 | 57.13 | 53.48 | 2,551.90 | 9,668.72 | 1,639.56 |
| 1,228.63 | 22.93 | | | 424.48 | 889.16 | 416.55 |
| 5,555.09 | 55.97 | 231.73 | | 745.87 | 2,137.46 | 1,815.72 |
| 2,266.58 | 27.55 | | | 34.35 | 1,799.33 | 318.21 |
| 3,251.98 | | 68.15 | 31.65 | 1,315.80 | 3,004.44 | 1,752.01 |
| 38.00 | 29.57 | | 3.00 | | 52.74 | |
| 9,760.82 | 185.75 | 545.96 | | 1,283.72 | 4,783.04 | 5,511.82 |
| 10,761.91 | 31.59 | 51.51 | 430.40 | 1,208.30 | 11,000.52 | 5,865.36 |
| 4,436.52 | 97.92 | 24.20 | | 622.91 | 4,119.52 | 1,270.33 |
| 2,101.48 | 63.28 | | | 514.84 | 1,419.87 | 1,098.92 |
| 11,977.28 | 261.71 | 196.81 | 117.90 | 2,322.37 | 1,475.83 | 6,210.56 |
| 12,950.11 | 333.73 | 216.02 | 384.19 | 2,163.58 | 4,839.07 | 6,450.31 |
| 16,868.00 | 317.00 | 300.00 | 349.00 | 4,388.00 | 12,610.00 | 5,735.00 |
| | | | | 90.15 | | |
| 288,482.70 | 4,349.79 | 7,440.85 | 6,729.36 | 65,593.46 | 224,563.86 | 129,545.88 |
| 14,559.08 | | | | | | |
| | 543.93 | 888.41 | 114.49 | 6,610.12 | 4,888.42 | 1,890.05 |
| 6,361 | 38 | 132 | 109 | 1,034 | 3,999 | 2,392 |
| 710 | 8 | 36 | 28 | 195 | 635 | 210 |
| 152 | 2 | 3 | 6 | 37 | 80 | 29 |
| 7,223 | 48 | 171 | 143 | 1,266 | 4,714 | 2,631 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Sarnia | Scarboro' Twp. | Seaforth | Simcoe | Springfield |
|---|------------|-------------------|-----------|-----------|-------------|
| Population..... | 17,801 | | 1,692 | 5,397 | 379 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 104,443.09 | 88,543.29 | 10,808.12 | 20,283.75 | 1,656.59 |
| Commercial light service..... | 45,760.80 | 17,694.05 | 5,076.86 | 24,148.61 | 707.14 |
| Commercial power service..... | 167,781.48 | 9,958.30 | 4,162.74 | 23,340.23 | 1,060.65 |
| Municipal power..... | | 11,227.44 | 656.01 | 2,388.41 | |
| Street lighting..... | 18,456.98 | 14,911.65 | 1,788.00 | 4,527.48 | 550.00 |
| Merchandise..... | | | 398.56 | | |
| Miscellaneous..... | 4,016.71 | 436.55 | 608.31 | 717.58 | 251.83 |
| Total earnings..... | 340,459.06 | 142,771.28 | 23,498.60 | 75,406.06 | 4,226.21 |
| EXPENSES | | | | | |
| Power purchased..... | 237,328.45 | 82,430.26 | 16,215.02 | 44,150.24 | 3,662.78 |
| Substation operation..... | 8,228.99 | | | 467.24 | |
| Substation maintenance..... | 354.75 | 123.27 | 7.95 | | |
| Distribution system, operation and maintenance..... | 6,876.14 | 5,822.56 | 1,578.14 | 3,740.82 | 10.48 |
| Line transformer maintenance..... | 769.34 | 1,093.99 | | 89.99 | |
| Meter maintenance..... | 3,333.21 | 1,106.31 | 126.77 | 1,422.07 | 100.40 |
| Consumers' premises expenses..... | | 296.62 | | 135.94 | |
| Street lighting, operation and main- tenance..... | 6,041.61 | 1,723.58 | 330.00 | 853.99 | 67.08 |
| Promotion of business..... | 1,842.59 | | | 71.64 | |
| Billing and collecting..... | 6,689.54 | 5,586.84 | 830.36 | 1,523.73 | 300.19 |
| General office, salaries and expenses.. | 10,747.76 | 6,335.47 | 369.55 | 2,185.73 | 71.37 |
| Undistributed expenses..... | 5,858.44 | 2,811.20 | 108.89 | 649.24 | 21.25 |
| Truck operation and maintenance... | 2,816.90 | 1,841.98 | 192.35 | 587.52 | |
| Interest..... | 8,864.06 | 11,728.27 | 1,251.60 | 2,711.63 | 211.16 |
| Sinking fund and principal payments on debentures..... | 20,422.66 | 13,386.95 | 445.75 | 2,948.96 | 168.66 |
| Depreciation..... | 17,715.00 | 10,650.00 | 1,752.00 | 3,360.00 | 337.00 |
| Other reserves..... | | 130.00 | | | |
| Total operating costs and fixed charges..... | 337,889.44 | 145,067.30 | 23,208.38 | 64,898.74 | 4,950.37 |
| Net surplus..... | 2,569.62 | | 290.22 | 10,507.32 | |
| Net loss..... | | 2,296.02 | | | 724.16 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 4,546 | 4,404 | 391 | 1,144 | 98 |
| Commercial light service..... | 610 | 361 | 105 | 306 | 30 |
| Power service..... | 85 | 30 | 15 | 38 | 3 |
| Total..... | 5,241 | 4,795 | 511 | 1,488 | 131 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Stamford Twp. | Stouffville 1,105 | Stratford 18,869 | Strathroy 2,879 | Sutton 809 | Tavistock 1,042 | Tecumseh 2,546 | Thames- ford P.V. |
|------------------|----------------------|---------------------|--------------------|---------------|--------------------|-------------------|-------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 51,719.41 | 7,124.57 | 146,586.63 | 20,207.78 | 7,578.25 | 6,906.75 | 14,603.68 | 2,428.13 |
| 6,593.80 | 2,739.57 | 51,772.30 | 9,754.05 | 2,981.82 | 2,051.73 | 3,171.42 | 1,310.32 |
| 3,852.98 | 839.91 | 51,420.95 | 9,319.29 | 1,073.01 | 8,476.95 | 1,322.34 | 2,979.91 |
| 1,826.90 | | 12,209.44 | 1,501.00 | | 460.57 | | |
| 7,914.64 | 1,764.00 | 16,539.00 | 4,075.71 | 1,861.00 | 1,212.00 | 960.00 | 517.00 |
| | | | | | | | |
| | 324.25 | 6,495.66 | 1,015.18 | 152.28 | 250.99 | | 344.88 |
| | | | | | | | |
| 71,907.73 | 12,792.30 | 285,023.98 | 45,873.01 | 13,646.36 | 19,358.99 | 20,057.44 | 7,580.24 |
| | | | | | | | |
| 36,822.04 | 8,131.48 | 200,007.95 | 28,976.73 | 8,932.52 | 16,964.12 | 10,658.85 | 6,245.97 |
| 503.82 | | 4,994.95 | 221.40 | | | | |
| | | 870.56 | 261.99 | | | | |
| | | | | | | | |
| 5,422.41 | 625.49 | 6,116.52 | 1,578.12 | 333.52 | 463.47 | 523.42 | 218.43 |
| 139.06 | | 553.36 | 340.87 | | | 39.68 | 9.16 |
| 1,236.37 | | 1,488.50 | 518.94 | | 23.73 | 373.40 | 157.71 |
| | | 323.25 | | | | 297.99 | |
| | | | | | | | |
| 1,630.12 | 133.60 | 3,232.58 | 692.34 | 129.75 | 46.98 | 191.10 | 49.85 |
| 712.43 | | 616.95 | 261.97 | | | 421.48 | |
| 3,066.06 | | 6,056.05 | 797.48 | 502.97 | 622.54 | 1,684.40 | 173.97 |
| 3,684.60 | 408.53 | 4,372.10 | 1,740.35 | 65.17 | 167.40 | 408.03 | 89.88 |
| 1,368.67 | | 6,797.02 | 391.30 | 47.61 | 55.95 | 450.04 | 19.50 |
| 1,870.51 | | 1,015.36 | 298.53 | | | 409.85 | |
| 9,504.11 | 447.76 | 21,775.00 | 1,884.42 | 972.93 | 201.03 | 1,406.54 | 95.49 |
| | | | | | | | |
| 10,555.98 | 1,512.84 | 9,239.60 | 1,633.32 | 1,346.60 | 197.13 | 1,317.64 | 206.55 |
| 5,783.00 | 505.00 | 19,951.00 | 3,140.00 | 830.00 | 777.00 | 1,457.00 | 427.00 |
| | | 1,208.87 | | | | | |
| | | | | | | | |
| 82,299.18 | 11,764.70 | 288,619.62 | 42,737.76 | 13,161.07 | 19,519.35 | 19,639.42 | 7,693.51 |
| | | | | | | | |
| | 1,027.60 | | 3,135.25 | 485.29 | | 418.02 | |
| | | | | | | | |
| 10,391.45 | | 3,595.64 | | | 160.36 | | 113.27 |
| | | | | | | | |
| | | | | | | | |
| 1,645 | 336 | 4,293 | 802 | 382 | 261 | 506 | 121 |
| 111 | 80 | 614 | 173 | 84 | 68 | 47 | 39 |
| 13 | 5 | 132 | 25 | 5 | 6 | 3 | 7 |
| | | | | | | | |
| 1,769 | 421 | 5,039 | 1,000 | 471 | 335 | 556 | 167 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

| Municipality..... | Thames- ville 754 | Thedford 577 | Thorndale P.V. | Thorold 5,068 | Tilbury 1,996 |
|---|-------------------------|-----------------|-------------------|------------------|------------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 4,003.41 | 3,152.75 | 1,432.95 | 18,732.14 | 6,539.15 |
| Commercial light service..... | 2,756.04 | 1,796.45 | 920.15 | 6,486.84 | 6,999.33 |
| Commercial power service..... | 2,111.24 | 1,599.64 | 254.32 | 26,575.95 | 6,888.96 |
| Municipal power..... | 249.46 | | | 2,901.88 | 229.50 |
| Street lighting..... | 1,191.00 | 1,035.00 | 384.00 | 3,551.00 | 1,580.22 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 337.31 | 50.90 | 2.62 | 388.87 | 574.88 |
| Total earnings..... | 10,648.46 | 7,634.74 | 2,994.04 | 58,636.68 | 22,812.04 |
| EXPENSES | | | | | |
| Power purchased..... | 6,500.46 | 4,712.96 | 2,711.26 | 45,747.53 | 14,547.09 |
| Substation operation..... | | | | 2,015.75 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 504.14 | 108.30 | 30.44 | 2,969.32 | 1,347.33 |
| Line transformer maintenance..... | | | | | 38.92 |
| Meter maintenance..... | 157.43 | | 42.49 | 276.45 | 174.66 |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and main- tenance..... | 235.47 | 67.10 | 47.00 | 575.43 | 273.37 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 206.63 | 207.86 | 55.34 | 1,169.17 | 644.29 |
| General office, salaries and expenses.. | 318.53 | 81.85 | 5.10 | 878.65 | 529.70 |
| Undistributed expenses..... | 38.50 | 20.43 | 17.75 | 373.93 | 196.13 |
| Truck operation and maintenance..... | | | | 372.70 | |
| Interest..... | 280.22 | 633.83 | 75.56 | | 437.94 |
| Sinking fund and principal payments on debentures..... | 560.42 | 851.48 | 87.07 | | 637.27 |
| Depreciation..... | 735.00 | 380.00 | 230.00 | 2,660.00 | 1,121.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 9,536.80 | 7,063.81 | 3,302.01 | 57,038.93 | 19,947.70 |
| Net surplus..... | 1,111.66 | 570.93 | | 1,597.75 | 2,864.34 |
| Net loss..... | | | 307.97 | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 219 | 126 | 62 | 1,165 | 420 |
| Commercial light service..... | 71 | 40 | 24 | 191 | 135 |
| Power service..... | 8 | 3 | 1 | 16 | 12 |
| Total..... | 298 | 169 | 87 | 1,372 | 567 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Tillson- burg 3,351 | Toronto 626,674 | Toronto Twp | Trafalgar Twp. Area No. 1 | Trafalgar Twp. Area No. 2 | Walkerville 10,681 | Wallaceburg 4,343 |
|---------------------------|--------------------|----------------|---------------------------------|---------------------------------|-----------------------|----------------------|
| \$ c | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 14,962.86 | 3,747,121.17 | 58,575.37 | 14,152.49 | 4,967.94 | 104,317.38 | 18,859.03 |
| 11,687.36 | 2,873,701.12 | 13,743.10 | 640.62 | | 29,322.93 | 10,687.00 |
| 10,821.20 | 3,167,430.03 | 6,862.46 | 520.19 | | 127,701.63 | 49,402.59 |
| 834.59 | 1,307,218.35 | | | | | 1,913.90 |
| 4,336.51 | 531,411.66 | 4,975.20 | | | 11,739.96 | 4,167.00 |
| 9.36 | | | | | | |
| 485.15 | 268,812.13 | 1,460.57 | 222.18 | 96.87 | 2,182.57 | 719.62 |
| 43,137.03 | 11,895,694.46 | 85,616.70 | 15,535.48 | 5,064.81 | 275,264.47 | 85,749.14 |
| 27,345.49 | 6,493,300.17 | 50,054.65 | 7,888.00 | 2,272.25 | 203,458.83 | 61,125.39 |
| 889.99 | 217,852.14 | | | | 5,385.14 | 248.00 |
| | 247,239.28 | | | | 1,739.13 | |
| 3,022.14 | 350,632.98 | 3,706.18 | 2,134.48 | 535.72 | 3,890.69 | 1,914.39 |
| 267.53 | 37,083.99 | 468.63 | | | 397.92 | |
| 264.18 | 101,462.78 | 402.28 | 68.70 | | 2,728.77 | 713.77 |
| 44.95 | 295,659.39 | | | | 2,759.58 | 39.75 |
| 549.98 | 133,653.43 | 623.94 | | | 2,578.80 | 836.01 |
| | 178,555.92 | | | | 4,220.93 | 836.17 |
| 756.15 | 344,206.94 | 3,096.58 | | | 6,074.17 | 2,201.19 |
| 3,509.20 | 365,072.53 | 4,607.09 | 1,414.13 | 549.27 | 10,297.39 | 2,341.53 |
| 355.47 | *97,936.46 | 931.32 | 136.18 | 26.98 | 7,614.83 | 1,398.69 |
| 411.82 | | 1,504.60 | 223.20 | | 2,075.91 | 740.73 |
| 513.58 | 1,461,031.47 | 3,845.61 | 744.89 | 526.54 | 8,673.39 | 2,730.08 |
| 1,032.76 | 1,237,415.80 | 5,133.95 | 928.70 | | 15,269.85 | 2,747.56 |
| 3,199.00 | 823,554.56 | 8,390.00 | 1,124.00 | 293.00 | 16,322.00 | 4,725.00 |
| 139.33 | 2,740.83 | | | | | 88.15 |
| 42,301.57 | 12,387,398.67 | 82,764.83 | 14,662.28 | 4,203.76 | 293,487.33 | 82,686.41 |
| 835.46 | | 2,851.87 | 873.20 | 861.05 | | 3,062.73 |
| | 491,704.21 | | | | 18,222.86 | |
| 887 | 155,870 | 1,875 | 300 | 136 | 2,367 | 1,020 |
| 223 | 25,980 | 188 | 2 | | 317 | 223 |
| 30 | 5,099 | 23 | 9 | | 94 | 29 |
| 1,140 | 186,949 | 2,086 | 311 | 136 | 2,778 | 1,272 |

*Includes \$25,817.88 York Twp. debenture charges.

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

| Municipality..... | Wardsville | Waterdown | Waterford | Waterloo | Watford |
|--|------------|-----------|-----------|------------|-----------|
| Population..... | 214 | 924 | 1,168 | 8,563 | 956 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 1,124.76 | 5,645.12 | 6,575.26 | 58,827.49 | 6,682.44 |
| Commercial light service..... | 1,075.78 | 1,696.40 | 1,766.76 | 20,814.44 | 3,237.14 |
| Commercial power service..... | | 1,468.02 | 4,146.55 | 24,058.94 | 2,356.16 |
| Municipal power..... | | 192.52 | 276.32 | 3,505.88 | 435.37 |
| Street lighting..... | 700.00 | 901.50 | 1,608.00 | 7,499.04 | 1,344.96 |
| Merchandise..... | | | | 320.62 | |
| Miscellaneous..... | 55.84 | 11.60 | 260.49 | 149.94 | 335.79 |
| Total earnings..... | 2,956.38 | 9,915.16 | 14,633.38 | 115,176.35 | 14,391.86 |
| EXPENSES | | | | | |
| Power purchased..... | 1,936.53 | 6,493.32 | 11,933.09 | 91,535.77 | 9,303.14 |
| Substation operation..... | | | | 1,401.68 | |
| Substation maintenance..... | | | | 1,377.44 | |
| Distribution system, operation and maintenance..... | 51.30 | 307.05 | 331.30 | 3,743.64 | 742.05 |
| Line transformer maintenance..... | | 49.65 | | 33.60 | |
| Meter maintenance..... | | 110.96 | 42.55 | 1,035.65 | 138.48 |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and maintenance..... | 36.30 | 60.01 | 174.46 | 762.00 | 136.02 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | | 566.49 | 576.00 | 2,035.20 | 501.72 |
| General office, salaries and expenses..... | 182.83 | 145.52 | 398.68 | 3,383.28 | 539.82 |
| Undistributed expenses..... | | 51.62 | 26.93 | 560.44 | 60.06 |
| Truck operation and maintenance..... | | | | 984.87 | 129.36 |
| Interest..... | 299.17 | 10.50 | | 2,881.88 | 124.17 |
| Sinking fund and principal payments on debentures..... | 412.83 | | | 4,892.31 | 712.62 |
| Depreciation..... | 235.00 | 791.00 | 966.00 | 8,762.00 | 752.00 |
| Other reserves..... | | | | 128.00 | |
| Total operating costs and fixed charges..... | 3,153.96 | 8,586.12 | 14,449.01 | 123,517.76 | 13,139.44 |
| Net surplus..... | | 1,329.04 | 184.37 | | 1,252.42 |
| Net loss..... | 197.58 | | | 8,341.41 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 47 | 218 | 306 | 1,850 | 284 |
| Commercial light service..... | 21 | 33 | 73 | 249 | 76 |
| Power service..... | | 7 | 11 | 77 | 5 |
| Total..... | 68 | 258 | 390 | 2,176 | 365 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Welland 10,668 | Wellesley P.V. | West Lorne 814 | Weston 4,736 | Wheatley 724 | Windsor 65,565 | Wood- bridge 744 | Woodstock 10,956 |
|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|------------------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 49,514.12 | 2,706.26 | 3,197.04 | 39,599.41 | 4,427.83 | 503,381.88 | 6,370.89 | 72,772.34 |
| 28,463.15 | 1,527.81 | 1,483.82 | 9,376.18 | 2,717.93 | 225,233.06 | 1,632.47 | 37,336.87 |
| 60,726.86 | 1,773.00 | 1,277.99 | 31,984.50 | 1,599.90 | 170,277.85 | 4,670.69 | 46,357.30 |
| 2,397.93 | | | 588.46 | 461.86 | 11,734.67 | 410.44 | 2,846.43 |
| 10,559.01 | 720.00 | 1,010.00 | 7,610.13 | 1,355.25 | 76,109.88 | 900.00 | 8,013.40 |
| 1,841.15 | | | | | | | |
| 3,384.77 | 12.76 | 55.57 | 899.56 | 92.66 | | 21.48 | 3,554.32 |
| 156,886.99 | 6,739.83 | 7,024.42 | 90,058.24 | 10,655.43 | 986,737.34 | 14,005.97 | 170,880.66 |
| 94,636.78 | 5,208.81 | 3,970.10 | 68,789.37 | 6,401.77 | 589,905.81 | 10,143.24 | 131,319.41 |
| 4,898.27 | | | | | 15,910.88 | | 2,724.48 |
| 90.61 | | | 169.36 | | 3,473.27 | | 83.45 |
| 7,144.69 | 31.44 | 150.33 | 4,658.02 | 498.49 | 12,577.85 | 418.69 | 5,138.27 |
| 132.46 | | | 332.01 | 24.70 | 1,844.42 | | 549.12 |
| 2,985.44 | 52.40 | 32.16 | 830.30 | 146.44 | 12,278.03 | | 1,273.79 |
| 263.90 | | | | | 22,628.07 | | |
| 1,121.71 | 36.84 | 117.24 | 961.09 | 275.56 | 13,375.44 | 151.28 | 2,197.71 |
| | | | | | 18,016.56 | | 267.30 |
| 4,103.83 | | 464.70 | 641.10 | 328.18 | 31,162.17 | | 3,716.79 |
| 9,018.64 | 431.05 | 169.62 | 2,930.44 | 193.40 | 27,751.66 | 563.59 | 4,999.07 |
| 943.33 | 26.03 | 15.00 | 582.05 | 43.73 | 17,147.22 | | 1,651.43 |
| 1,597.40 | | | 454.68 | | 14,675.38 | | 817.35 |
| 14,131.55 | 138.84 | 328.57 | 2,216.03 | 485.15 | 65,640.56 | 480.66 | 3,424.55 |
| 9,991.62 | 517.94 | 257.07 | 3,016.95 | 603.65 | 85,361.15 | 291.59 | 2,682.05 |
| 12,213.53 | 313.00 | 593.00 | 4,830.00 | 588.00 | 64,790.00 | 800.00 | 11,775.00 |
| | | | | | | | |
| 163,273.76 | 6,756.35 | 6,097.79 | 90,411.40 | 9,589.07 | 996,538.47 | 12,849.05 | 172,619.77 |
| | | 926.63 | | 1,066.36 | | 1,156.92 | |
| 6,386.77 | 16.52 | | 353.16 | | 9,801.13 | | 1,739.11 |
| 2,271 | 121 | 187 | 1,248 | 171 | 14,605 | 244 | 2,904 |
| 438 | 44 | 49 | 179 | 57 | 2,263 | 50 | 443 |
| 83 | 5 | 4 | 30 | 4 | 318 | 6 | 86 |
| 2,792 | 170 | 240 | 1,457 | 232 | 17,186 | 300 | 3,433 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Concluded

| Municipality..... | Wyoming | *York Twp. | Zurich | NIAGARA SYSTEM SUMMARY |
|---|----------|------------|----------|------------------------------|
| Population | 482 | | P.V. | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 2,647.88 | 558,465.55 | 3,176.37 | 9,263,031.01 |
| Commercial light service..... | 1,582.19 | 64,625.08 | 1,860.84 | 4,987,219.71 |
| Commercial power service..... | 152.10 | 89,734.45 | | 7,326,323.77 |
| Municipal power..... | | | | 1,646,884.64 |
| Street lighting..... | 765.00 | 49,614.79 | 693.00 | 1,389,025.47 |
| Merchandise..... | | | | 9,301.81 |
| Miscellaneous..... | 15.28 | 17,073.89 | 117.72 | 402,652.28 |
| Total earnings..... | 5,162.45 | 779,513.76 | 5,847.93 | 25,024,438.69 |
| EXPENSES | | | | |
| Power purchased..... | 3,201.18 | 379,460.71 | 4,601.35 | 15,413,215.29 |
| Substation operation..... | | | | 404,570.48 |
| Substation maintenance..... | | 27,860.54 | | 281,366.35 |
| Distribution system, operation and maintenance..... | 92.89 | 20,607.93 | 232.42 | 722,383.72 |
| Line transformer maintenance..... | | 3,984.68 | | 71,396.55 |
| Meter maintenance..... | | 6,128.79 | 67.55 | 230,149.55 |
| Consumers' premises expenses..... | | 25,117.30 | | 353,539.08 |
| Street lighting, operation and main- tenance..... | 58.11 | 8,066.62 | 80.10 | 271,828.92 |
| Promotion of business..... | | 3,031.51 | | 244,030.17 |
| Billing and collecting..... | 166.00 | 37,034.11 | 183.94 | 673,185.33 |
| General office, salaries and expenses.. | 167.87 | 34,822.33 | 92.69 | 740,249.97 |
| Undistributed expenses..... | | 35,912.94 | 20.11 | 268,362.00 |
| Truck operation and maintenance..... | | | | 84,066.24 |
| Interest..... | 150.56 | 199,599.83 | 215.83 | 2,179,869.71 |
| Sinking fund and principal payments on debentures..... | 750.03 | 21,824.38 | 174.67 | 2,108,108.41 |
| Depreciation..... | 385.00 | 20,428.00 | 372.00 | 1,604,015.63 |
| Other reserves..... | | | | 26,493.60 |
| Total operating costs and fixed charges..... | 4,971.64 | 823,879.67 | 6,040.66 | 25,676,831.00 |
| Net surplus..... | 190.81 | | | |
| Net loss..... | | 44,365.91 | 192.73 | 652,392.31 |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 132 | 19,397 | 124 | 366,817 |
| Commercial light service..... | 50 | 1,037 | 46 | 58,040 |
| Power service..... | 2 | 150 | | 10,590 |
| Total..... | 184 | 20,584 | 170 | 435,447 |

*For year ended December 31, 1932. Included in Toronto figures. Not added in Summary.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

GEORGIAN BAY
SYSTEM

| Alliston 1,379 | Arthur 1,037 | Barrie 7,455 | Beaverton 960 | Beeton 584 | Bradford 1,009 | Brechin P.V. | Cannington 851 |
|-------------------|-----------------|-----------------|------------------|---------------|-------------------|-----------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,513.19 | 4,569.26 | 52,465.38 | 6,038.34 | 3,594.50 | 6,341.25 | 971.23 | 5,185.51 |
| 4,492.67 | 3,636.14 | 29,741.26 | 2,354.80 | 2,482.40 | 3,006.67 | 1,074.32 | 2,337.93 |
| 1,665.75 | 1,636.55 | 15,417.24 | 1,080.55 | 1,852.91 | 2,654.76 | 1,077.29 | 619.89 |
| 812.96 | 576.53 | 983.33 | | | 336.89 | | |
| 2,070.00 | 1,748.00 | 5,961.25 | 1,286.52 | 1,185.00 | 1,273.00 | 576.00 | 1,022.00 |
| | | | | | 60.43 | | |
| 28.64 | | 1,302.38 | 793.85 | 9.66 | 60.67 | 28.53 | 80.75 |
| 17,583.21 | 12,166.48 | 105,870.84 | 11,554.06 | 9,124.47 | 13,733.67 | 3,727.37 | 9,246.08 |
| 11,574.06 | 9,561.78 | 76,201.02 | 7,686.41 | 7,116.40 | 8,416.51 | 2,641.63 | 6,682.04 |
| | | 894.47 | | | | | |
| 623.40 | 553.34 | 2,870.39 | 991.21 | 42.63 | 225.49 | 302.50 | 586.78 |
| | | 493.80 | | | | | |
| | | 1,485.18 | | | | | |
| 339.40 | 89.55 | 1,020.39 | 169.02 | 193.93 | 57.23 | 42.09 | 149.70 |
| | | | | | | | 10.60 |
| 822.79 | | 3,102.46 | | | 634.56 | | |
| 135.55 | 378.13 | 1,122.64 | 607.09 | 408.38 | 76.17 | 143.77 | 568.93 |
| 85.81 | | 1,000.07 | | | 254.61 | | |
| | | 583.59 | | | | | |
| 1,765.08 | 1,155.08 | 3,048.82 | 366.62 | 534.07 | 1,176.50 | 219.05 | 505.57 |
| 1,390.41 | 720.71 | 2,691.38 | 580.34 | 447.01 | 836.30 | 98.29 | 608.17 |
| 1,332.00 | 906.00 | 7,023.00 | 1,101.00 | 579.00 | 825.00 | 138.00 | 652.00 |
| | | 300.00 | | | | | |
| 18,068.50 | 13,364.59 | 101,837.21 | 11,501.69 | 9,321.42 | 12,502.37 | 3,585.33 | 9,763.79 |
| | | 4,033.63 | 52.37 | | 1,231.30 | 142.04 | |
| 485.29 | 1,198.11 | | | 196.95 | | | 517.71 |
| 351 | 185 | 2,011 | 303 | 124 | 223 | 42 | 246 |
| 201 | 86 | 407 | 63 | 37 | 63 | 28 | 71 |
| 16 | 4 | 45 | 9 | 5 | 8 | 4 | 10 |
| 568 | 275 | 2,463 | 375 | 166 | 294 | 74 | 327 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGAIN BAY
SYSTEM—Continued

| Municipality..... | Chatsworth | Chesley | Coldwater | Colling- wood 5,788 | Cooks- town P.V. |
|---|------------|-----------|-----------|---------------------------|------------------------|
| Population..... | 272 | 1,789 | 626 | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 1,590.06 | 8,902.79 | 2,884.70 | 26,122.58 | 2,479.81 |
| Commercial light service..... | 1,304.24 | 4,106.77 | 1,746.74 | 9,951.70 | 1,264.87 |
| Commercial power service..... | 583.08 | 8,451.38 | 2,557.43 | 16,342.67 | 911.92 |
| Municipal power..... | | 991.04 | | 1,895.68 | |
| Street lighting..... | 492.00 | 1,596.00 | 571.00 | 3,013.33 | 1,008.00 |
| Merchandise..... | | 5.02 | | | |
| Miscellaneous..... | 89.84 | 664.48 | 209.01 | 1,515.88 | 46.37 |
| Total earnings..... | 4,059.22 | 24,717.48 | 7,968.88 | 58,841.84 | 5,710.97 |
| EXPENSES | | | | | |
| Power purchased..... | 2,565.47 | 18,031.74 | 6,811.92 | 49,999.25 | 2,686.76 |
| Substation operation..... | | | | 39.50 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 189.73 | 672.90 | 298.24 | 1,789.46 | 168.78 |
| Line transformer maintenance..... | | | | 70.59 | |
| Meter maintenance..... | | 160.25 | | 677.75 | |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and main- tenance..... | 59.22 | 188.20 | 63.00 | 239.71 | 86.48 |
| Promotion of business..... | | | | 6.22 | |
| Billing and collecting..... | | 386.41 | | 2,866.05 | |
| General office, salaries and expenses.. | 327.53 | 612.45 | 497.22 | 2,913.18 | 270.22 |
| Undistributed expenses..... | | 122.07 | | 616.91 | |
| Truck operation and maintenance..... | | 24.50 | | 318.33 | |
| Interest..... | 282.18 | 404.81 | 217.73 | 300.00 | 444.62 |
| Sinking fund and principal payments on debentures..... | 216.19 | 1,934.61 | 267.27 | | 282.86 |
| Depreciation..... | 262.00 | 1,206.00 | 531.00 | 3,750.00 | 503.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 3,902.32 | 23,743.94 | 8,686.38 | 63,586.95 | 4,442.72 |
| Net surplus..... | 156.90 | 973.54 | | | 1,268.25 |
| Net loss..... | | | 717.50 | 4,745.11 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 73 | 420 | 131 | 1,420 | 96 |
| Commercial light service..... | 29 | 97 | 54 | 269 | 27 |
| Power service..... | 1 | 19 | 4 | 53 | 5 |
| Total..... | 103 | 536 | 189 | 1,742 | 128 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Creemore 587 | Dundalk 647 | Durham 1,800 | Elmvale P.V. | Elmwood P.V. | Flesherton 491 | Grand Valley 587 | Graven- hurst 1,830 |
|-----------------|----------------|-----------------|-----------------|-----------------|-------------------|------------------------|---------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,579.49 | 2,604.62 | 6,477.31 | 2,673.02 | 1,185.37 | 2,686.74 | 3,467.61 | 8,580.86 |
| 1,808.96 | 2,200.70 | 4,139.84 | 1,728.30 | 586.45 | 1,768.58 | 1,799.23 | 6,087.91 |
| 1,102.80 | 2,240.17 | 5,857.92 | 2,618.79 | 1,339.14 | 226.29 | 1,975.40 | 7,202.34 |
| 673.63 | 1,220.00 | 759.79 | 140.33 | 529.00 | 621.00 | 936.00 | 575.67 |
| 7.00 | 165.00 | 1,935.00 | 662.31 | 36.96 | 30.54 | 138.21 | 2,096.24 |
| 7,171.88 | 8,430.49 | 19,942.33 | 7,909.09 | 3,676.92 | 5,333.15 | 8,316.45 | 24,543.02 |
| 5,789.05 | 6,224.88 | 15,726.37 | 6,373.35 | 2,541.79 | 3,547.92 | 5,796.19 | 16,208.46 |
| 200.17 | 627.53 | 795.45 | 617.01 | 12.50 | 36.47 | 117.92 | 1,227.17 |
| | | 28.65 | 17.35 | | | | 67.78 |
| | | | | | | | 138.03 |
| 62.84 | 124.31 | 166.19 | 30.18 | 13.10 | 26.55 | 66.00 | 572.91 |
| | | 1,043.82 | 210.00 | | | | 10.47 |
| 252.65 | 611.30 | 494.55 | 53.21 | 194.93 | 384.97 | 529.83 | 431.11 |
| | | 248.10 | 23.50 | | | | 1,455.67 |
| | | 267.18 | | | | | 275.96 |
| 129.91 | 67.07 | 344.40 | 175.81 | 215.68 | 398.72 | 213.48 | 255.67 |
| | | | | | | | 722.51 |
| 504.36 | 356.35 | 1,296.91 | 279.55 | 426.08 | 264.97 | 759.64 | 2,088.21 |
| 387.00 | 432.00 | 1,108.00 | 600.00 | 238.00 | 336.00 | 523.00 | 1,700.00 |
| | | | | | | | 225.00 |
| 7,325.98 | 8,443.44 | 21,519.62 | 8,379.96 | 3,642.08 | 4,995.60 | 8,006.06 | 25,378.95 |
| | | | | 34.84 | 337.55 | 310.39 | |
| 154.10 | 12.95 | 1,577.29 | 470.87 | | | | 835.93 |
| 157 | 157 | 422 | 150 | 58 | 139 | 156 | 464 |
| 52 | 69 | 109 | 59 | 19 | 48 | 48 | 115 |
| 3 | 4 | 11 | 8 | 1 | 2 | 4 | 12 |
| 212 | 230 | 542 | 217 | 78 | 189 | 208 | 591 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

| Municipality..... | Hanover | Holstein | Huntsville | Kincardine | Kirkfield |
|--|-----------|----------|------------|------------|-----------|
| Population..... | 3,036 | P.V. | 2,507 | 2,429 | P.V. |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 18,407.63 | 1,479.27 | 10,973.86 | 13,824.32 | 749.21 |
| Commercial light service..... | 6,627.47 | 570.60 | 7,418.16 | 6,956.57 | 1,156.47 |
| Commercial power service..... | 17,684.10 | 238.59 | 11,515.00 | 9,058.53 | |
| Municipal power..... | 309.97 | | 1,400.00 | 1,444.90 | |
| Street lighting..... | 3,488.16 | 490.00 | 2,675.00 | 4,022.50 | 460.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 1,540.64 | | 682.94 | 30.18 | |
| Total earnings..... | 48,057.97 | 2,778.46 | 34,664.96 | 35,337.00 | 2,365.68 |
| EXPENSES | | | | | |
| Power purchased..... | 31,066.93 | 1,955.95 | 29,980.04 | 25,823.72 | 1,423.29 |
| Substation operation..... | | | | 336.94 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,776.72 | 51.05 | 2,322.42 | 1,258.69 | 204.62 |
| Line transformer maintenance..... | 36.37 | | 19.45 | | |
| Meter maintenance..... | 114.89 | | 49.10 | | |
| Consumers' premises expenses..... | | | | 112.01 | |
| Street lighting, operation and maintenance..... | 174.81 | 14.92 | 230.71 | 263.10 | 3.48 |
| Promotion of business..... | | | 96.10 | | |
| Billing and collecting..... | 1,097.39 | | 507.34 | 678.44 | |
| General office, salaries and expenses..... | 634.21 | 169.24 | 1,241.20 | 567.61 | 35.05 |
| Undistributed expenses..... | 491.15 | | 719.78 | 377.31 | |
| Truck operation and maintenance..... | 141.94 | | 186.31 | 259.97 | |
| Interest..... | 2,386.90 | 214.07 | 206.88 | 2,114.88 | 243.62 |
| Sinking fund and principal payments on debentures..... | 5,282.60 | 213.79 | 686.36 | 3,167.80 | 347.88 |
| Depreciation..... | 3,233.00 | 109.00 | 1,080.00 | 2,075.00 | 206.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 46,436.91 | 2,728.02 | 37,325.69 | 37,035.47 | 2,463.94 |
| Net surplus..... | 1,621.06 | 50.44 | | | |
| Net loss..... | | | 2,660.73 | 1,698.47 | 98.26 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 726 | 54 | 556 | 596 | 27 |
| Commercial light service..... | 119 | 18 | 123 | 120 | 20 |
| Power service..... | 20 | 1 | 9 | 19 | |
| Total..... | 865 | 73 | 688 | 735 | 47 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Lucknow 1,082 | Markdale 774 | Meaford 2,707 | Midland 6,808 | Mildmay 694 | Mount Forest 1,821 | Neustadt 465 | Orangeville 2,785 |
|------------------|-----------------|------------------|------------------|----------------|--------------------------|-----------------|----------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6,845.31 | 3,571.87 | 12,262.19 | 35,287.78 | 2,967.88 | 7,571.59 | 2,019.90 | 14,312.27 |
| 2,998.23 | 2,580.48 | 6,475.28 | 13,714.77 | 2,024.23 | 5,190.17 | 1,357.97 | 8,697.09 |
| 3,499.49 | 1,048.02 | 3,878.90 | 47,445.51 | 719.27 | 3,040.59 | 63.33 | 6,926.65 |
| 517.52 | 81.00 | 761.52 | 3,029.05 | | 1,214.91 | | 1,264.70 |
| 1,522.50 | 900.00 | 3,219.19 | 6,175.84 | 659.56 | 2,370.00 | 975.00 | 3,760.20 |
| | | 2.58 | | | | | 16.61 |
| 187.01 | | 765.66 | | 21.06 | 262.75 | | 168.65 |
| 15,570.06 | 8,181.37 | 27,365.32 | 105,652.95 | 6,392.00 | 19,650.01 | 4,416.20 | 35,146.17 |
| 10,946.31 | 5,784.99 | 17,537.97 | 80,691.58 | 3,054.84 | 15,632.99 | 3,441.78 | 26,032.43 |
| | | | 1,993.84 | | | | |
| | | | 207.58 | | | | |
| 363.49 | 22.44 | 953.55 | 2,373.26 | 149.64 | 469.98 | 28.92 | 1,315.31 |
| | | 34.50 | 78.54 | | | | 49.55 |
| | | 40.07 | 781.45 | 229.09 | 159.45 | | 10.70 |
| 122.76 | 117.48 | 209.00 | 676.98 | 42.80 | 320.62 | 69.95 | 485.42 |
| | | | 875.21 | | | | |
| | | 579.35 | 2,179.46 | | 817.89 | | 1,418.12 |
| 876.03 | 439.21 | 1,749.10 | 2,409.97 | 375.06 | 386.50 | 205.61 | 35.40 |
| | | 468.22 | 2,008.55 | | 119.25 | | 101.02 |
| | | 121.52 | 315.28 | | 39.05 | | |
| 739.41 | 375.21 | 1,971.51 | 2,555.03 | 408.86 | 713.66 | 921.48 | 656.87 |
| 962.87 | 306.55 | 1,018.24 | 5,449.28 | 408.27 | 635.63 | 986.86 | 2,307.85 |
| 732.00 | 576.00 | 1,340.00 | 9,512.00 | 206.00 | 1,310.00 | 560.00 | 1,916.00 |
| 14,742.87 | 7,621.88 | 26,023.03 | 112,108.01 | 4,874.56 | 20,605.02 | 6,214.60 | 34,328.67 |
| 827.19 | 559.49 | 1,342.29 | | 1,517.44 | | | 817.50 |
| | | | 6,455.06 | | 955.01 | 1,798.40 | |
| 252 | 187 | 638 | 1,564 | 140 | 447 | 96 | 654 |
| 79 | 79 | 138 | 227 | 47 | 160 | 28 | 161 |
| 7 | 10 | 17 | 55 | 2 | 11 | 2 | 27 |
| 338 | 276 | 793 | 1,846 | 189 | 618 | 126 | 842 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

| Municipality..... | Owen Sound 12,803 | Paisley 732 | Penetang- uishene 4,046 | Port Elgin 1,230 | Port McNicol 928 |
|---|-------------------------|----------------|-------------------------------|------------------------|------------------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 60,161.55 | 3,937.95 | 11,560.03 | 8,046.31 | 3,643.06 |
| Commercial light service..... | 33,647.11 | 2,679.61 | 4,471.57 | 4,123.07 | 801.37 |
| Commercial power service..... | 37,592.84 | 1,155.09 | 10,183.08 | 3,400.92 | ..... |
| Municipal power..... | ..... | ..... | 1,752.93 | 886.65 | ..... |
| Street lighting..... | 11,181.23 | 1,408.00 | 2,149.00 | 2,103.79 | 927.50 |
| Merchandise..... | 279.45 | ..... | 17.81 | ..... | ..... |
| Miscellaneous..... | 131.16 | 143.99 | 77.30 | 315.46 | ..... |
| Total earnings..... | 142,993.34 | 9,324.64 | 30,211.72 | 18,876.20 | 5,371.93 |
| EXPENSES | | | | | |
| Power purchased..... | 106,952.41 | 6,583.66 | 21,327.95 | 8,730.36 | 3,295.61 |
| Substation operation..... | 4,695.16 | ..... | 643.51 | ..... | ..... |
| Substation maintenance..... | ..... | ..... | 103.71 | ..... | ..... |
| Distribution system, operation and maintenance..... | 5,903.00 | 128.90 | 1,438.26 | 942.49 | 383.69 |
| Line transformer maintenance..... | 548.54 | ..... | 106.25 | ..... | ..... |
| Meter maintenance..... | 1,059.77 | ..... | 222.53 | 44.54 | ..... |
| Consumers' premises expenses..... | ..... | ..... | ..... | ..... | ..... |
| Street lighting, operation and main- tenance..... | 2,614.07 | 105.84 | 248.20 | 217.80 | 120.84 |
| Promotion of business..... | ..... | ..... | ..... | ..... | ..... |
| Billing and collecting..... | 5,216.40 | ..... | 942.21 | 689.37 | ..... |
| General office, salaries and expenses..... | 5,646.34 | 472.50 | 686.68 | 86.98 | 120.75 |
| Undistributed expenses..... | 2,647.53 | ..... | 270.72 | 138.58 | ..... |
| Truck operation and maintenance..... | 730.57 | ..... | 142.90 | 272.95 | ..... |
| Interest..... | 516.18 | 618.43 | 1,122.97 | 1,981.31 | 186.79 |
| Sinking fund and principal payments on debentures..... | ..... | 742.95 | 1,655.05 | 1,400.40 | 484.43 |
| Depreciation..... | 6,920.00 | 506.00 | 2,817.00 | 826.00 | 390.00 |
| Other reserves..... | ..... | ..... | ..... | ..... | ..... |
| Total operating costs and fixed charges..... | 143,449.97 | 9,158.28 | 31,727.94 | 15,330.78 | 4,982.11 |
| Net surplus..... | ..... | 166.36 | ..... | 3,545.42 | 389.82 |
| Net loss..... | 456.63 | ..... | 1,516.22 | ..... | ..... |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 3,257 | 186 | 599 | 373 | 197 |
| Commercial light service..... | 576 | 55 | 99 | 86 | 31 |
| Power service..... | 115 | 4 | 27 | 8 | ..... |
| Total..... | 3,948 | 245 | 725 | 467 | 228 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Port Perry 1,130 | Priceville P.V. | Ripley 451 | Rosseau 251 | Shelburne 1,064 | South- ampton 1,520 | Stayner 1,042 | Sunder- land P.V. |
|---------------------|--------------------|---------------|-------------------------|--------------------|--------------------------------------|---------------------------|-------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6,660.96 | 675.10 | 3,363.35 | 2,871.74 | 5,384.95 | 8,144.39 | 4,391.43 | 2,335.55 |
| 2,805.22 | 332.43 | 1,858.53 | 927.90 | 3,309.71 | 3,487.74 | 2,642.06 | 1,699.71 |
| 2,528.58 | | | | 1,591.58 | 2,137.68 | 2,375.56 | 55.85 |
| 372.11 | | | | 578.43 | 1,231.34 | | |
| 1,500.00 | 560.00 | 1,266.00 | 1,240.00 | 960.00 | 2,106.92 | 1,224.00 | 706.67 |
| 894.65 | 11.55 | 4.49 | 141.67 | 233.65 | 150.44 | 328.64 | 50.00 |
| 14,761.52 | 1,579.08 | 6,492.37 | 5,181.31 | 12,058.32 | 17,258.51 | 10,961.69 | 4,847.78 |
| 9,873.21 | 1,139.68 | 4,204.77 | 3,550.01 | 9,554.83 | 8,228.69 | 8,245.44 | 3,473.99 |
| 901.67 | 15.24 | 35.50 | 206.93 45 | 925.20 | 1,109.33 2.10 50.85 | 549.12 | 170.22 |
| 100.25 | 21.76 | 66.72 | 24.69 | 51.87 | 148.14 | 142.22 | 21.37 |
| 820.37 | 46.61 | 419.48 | 131.81 7.52 15.75 | 553.89 74.74 | 863.40 233.93 235.85 307.68 | 566.06 112.57 72.92 | 321.77 |
| 15.00 | | | | | | | |
| 954.68 | 454.94 | 648.74 | 956.15 | 349.69 | 1,428.87 | 176.21 | 222.84 |
| 747.50 | 328.21 | 381.78 | | 1,321.85 | 1,100.31 | 1,085.53 | 318.58 |
| 821.00 | 177.00 | 426.00 | 288.00 | 945.00 | 701.00 | 806.00 | 278.00 |
| 14,233.68 | 2,183.44 | 6,182.99 | 5,181.31 | 13,778.89 | 14,410.15 | 11,756.07 | 4,806.77 |
| 527.84 | | 309.38 | | | 2,848.36 | | 41.01 |
| | 604.36 | | | 1,720.57 | | 794.38 | |
| 300 | 31 | 128 | 61 | 285 | 384 | 257 | 112 |
| 75 | 12 | 44 | 21 | 83 | 83 | 83 | 42 |
| 10 | | | | 11 | 13 | 12 | 1 |
| 385 | 43 | 172 | 82 | 379 | 480 | 352 | 155 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Concluded

| Municipality..... | Tara | Teeswater | Thornton | Tottenham | Uxbridge |
|--|----------|-----------|----------|-----------|-----------|
| Population..... | 491 | 805 | P.V. | 546 | 1,506 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 2,632.36 | 4,642.20 | 1,151.90 | 3,227.06 | 8,019.21 |
| Commercial light service..... | 1,306.32 | 2,219.12 | 637.95 | 2,100.62 | 3,255.12 |
| Commercial power service..... | 690.33 | 939.09 | 243.14 | 166.00 | 931.13 |
| Municipal power..... | | 180.00 | | 194.99 | |
| Street lighting..... | 1,260.00 | 1,402.00 | 880.00 | 1,225.08 | 1,743.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 6.04 | 190.45 | 2.79 | 3.45 | 405.78 |
| Total earnings..... | 5,895.05 | 9,572.86 | 2,915.78 | 6,917.20 | 14,354.24 |
| EXPENSES | | | | | |
| Power purchased..... | 3,432.35 | 6,115.52 | 1,481.77 | 5,087.62 | 10,902.64 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 175.70 | 62.41 | 46.75 | 322.35 | 585.46 |
| Line transformer maintenance..... | | | | | |
| Meter maintenance..... | | | | | |
| Consumers' premises expenses..... | | | | | |
| Street lighting, operation and maintenance..... | 37.10 | 69.55 | 17.32 | 105.46 | 229.30 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | | | | | |
| General office, salaries and expenses..... | 486.60 | 543.08 | 81.93 | 192.20 | 785.19 |
| Undistributed expenses..... | | | | | |
| Truck operation and maintenance..... | | | | | |
| Interest..... | 354.98 | 993.03 | 306.86 | 445.71 | 772.92 |
| Sinking fund and principal payments on debentures..... | 942.80 | 1,132.80 | 425.02 | 383.81 | 973.67 |
| Depreciation..... | 520.00 | 690.00 | 307.00 | 410.00 | 665.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 5,949.53 | 9,606.39 | 2,666.65 | 6,947.15 | 14,914.18 |
| Net surplus..... | | | 249.13 | | |
| Net loss..... | 54.48 | 33.53 | | 29.95 | 559.94 |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 127 | 195 | 55 | 128 | 354 |
| Commercial light service..... | 36 | 55 | 18 | 54 | 91 |
| Power service..... | 4 | 7 | 4 | 4 | 10 |
| Total..... | 167 | 257 | 77 | 186 | 455 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Victoria Harbor 1,171 | Walker-ton 2,340 | Waubau-shene P.V. | Wiar-ton 1,911 | Winder-mere 135 | Wingham 1,842 | Wood-ville 414 | GEORGIAN BAY SYSTEM SUMMARY |
|--------------------------|---------------------|----------------------|-------------------|--------------------|------------------|-------------------|--------------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,894.43 | 15,041.12 | 2,221.71 | 8,800.93 | 2,241.87 | 12,512.87 | 2,291.30 | 478,039.49 |
| 839.09 | 7,683.67 | 630.34 | 5,782.47 | 1,095.71 | 6,933.68 | 1,068.90 | 249,726.99 |
| 47.34 | 4,262.46 | 604.89 | 1,820.13 | ..... | 8,308.52 | 770.18 | 262,336.64 |
| 124.20 | 657.15 | 98.29 | 1,403.92 | ..... | 480.35 | ..... | 25,056.15 |
| 702.00 | 2,369.55 | 405.00 | 2,300.00 | 455.00 | 3,423.00 | 532.00 | 105,222.97 |
| ..... | 27.87 | ..... | ..... | ..... | 669.15 | ..... | 1,078.92 |
| 1.10 | 85.90 | 110.56 | ..... | 10.13 | 470.69 | 298.83 | 13,794.19 |
| 4,608.16 | 30,127.72 | 4,070.25 | 20,107.45 | 3,802.71 | 32,798.26 | 4,961.21 | 1,135,255.35 |
| | | | | | | | |
| 3,112.17 | 16,105.10 | 2,153.97 | 14,375.20 | 2,026.84 | 16,384.56 | 3,193.34 | 805,087.51 |
| ..... | ..... | ..... | ..... | ..... | 1,746.47 | ..... | 10,310.39 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 350.79 |
| 50.09 | 1,885.83 | 113.17 | 408.39 | 168.92 | 2,549.36 | 246.32 | 43,563.46 |
| ..... | 70.00 | ..... | ..... | ..... | ..... | ..... | 1,528.37 |
| ..... | 112.30 | ..... | 126.45 | ..... | 295.20 | ..... | 5,842.45 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 124.53 |
| 116.06 | 203.80 | 75.79 | 212.13 | 29.67 | 355.92 | 34.45 | 11,862.35 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 998.60 |
| ..... | 1,468.08 | ..... | 990.90 | 159.41 | 577.04 | ..... | 28,933.76 |
| 353.29 | 1,117.42 | 324.35 | 279.86 | 29.18 | 714.42 | 321.03 | 35,441.35 |
| ..... | 161.88 | ..... | 107.50 | 36.75 | 451.76 | ..... | 11,051.55 |
| ..... | 285.56 | ..... | 92.77 | ..... | 139.18 | ..... | 4,499.95 |
| 81.75 | 3,054.73 | 48.94 | 1,658.63 | *719.36 | 2,459.05 | 187.88 | 46,897.73 |
| 463.21 | 2,000.55 | 256.21 | 1,131.07 | ..... | 3,901.39 | 231.73 | 59,232.44 |
| 390.00 | 1,324.00 | 264.00 | 700.00 | 282.00 | 2,797.00 | 223.00 | 71,460.00 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 525.00 |
| | | | | | | | |
| 4,566.57 | 27,789.25 | 3,236.43 | 20,082.90 | 3,452.13 | 32,371.35 | 4,437.75 | 1,137,710.23 |
| 41.59 | 2,338.47 | 833.82 | 24.55 | 350.58 | 426.91 | 523.46 | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,454.88 |
| | | | | | | | |
| 167 | 535 | 134 | 349 | 48 | 504 | 110 | 22,141 |
| 28 | 134 | 25 | 103 | 9 | 143 | 31 | 5,287 |
| 2 | 17 | 3 | 13 | ..... | 24 | 2 | 699 |
| 197 | 686 | 162 | 465 | 57 | 671 | 143 | 28,127 |

*Includes debenture accrual.

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM

| Municipality..... | Alexandria | Apple Hill | Athens | Bath | Belleville |
|--|------------|------------|----------|----------|------------|
| Population..... | 2,340 | P.V. | 582 | 350 | 14,059 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 7,390.51 | 1,080.88 | 3,966.74 | 1,441.86 | 76,682.94 |
| Commercial light service..... | 4,173.80 | 827.60 | 1,813.42 | 718.97 | 48,107.35 |
| Commercial power service..... | 3,174.90 | 279.49 | 1,127.76 | | 34,529.14 |
| Municipal power..... | 1,634.41 | | | | 7,709.49 |
| Street lighting..... | 2,640.00 | 559.75 | 1,250.00 | 714.00 | 11,655.86 |
| Merchandise..... | | | | | 544.70 |
| Miscellaneous..... | 355.93 | 3.38 | 19.19 | 16.03 | 885.68 |
| Total earnings..... | 19,369.55 | 2,751.10 | 8,177.11 | 2,890.86 | 180,115.16 |
| EXPENSES | | | | | |
| Power purchased..... | 12,609.86 | 1,726.10 | 4,738.92 | 2,105.43 | 128,674.13 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 885.29 | 52.10 | 87.12 | 8.18 | 3,914.42 |
| Line transformer maintenance..... | 122.42 | | 2.24 | | 288.26 |
| Meter maintenance..... | 152.13 | | 19.79 | | 2,889.51 |
| Consumers' premises expenses..... | 3.03 | | | | 325.52 |
| Street lighting, operation and maintenance..... | 299.66 | 58.01 | 108.87 | | 1,399.56 |
| Promotion of business..... | | | | | 1,185.78 |
| Billing and collecting..... | 912.85 | | | | 4,245.76 |
| General office, salaries and expenses..... | 400.91 | 234.39 | 174.62 | 131.73 | 7,098.63 |
| Undistributed expenses..... | 105.51 | | 15.00 | | 1,762.82 |
| Truck operation and maintenance..... | | | | | 214.16 |
| Interest..... | 1,466.06 | 222.47 | 674.09 | 485.30 | 1,701.00 |
| Sinking fund and principal payments on debentures..... | 2,498.40 | 303.95 | 497.41 | 215.09 | 6,000.00 |
| Depreciation..... | 1,298.00 | 159.00 | 437.00 | 164.00 | 5,251.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 20,754.12 | 2,756.02 | 6,755.06 | 3,109.73 | 164,950.55 |
| Net surplus..... | | | 1,422.05 | | 15,164.61 |
| Net loss..... | 1,384.57 | 4.92 | | 218.87 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 295 | 46 | 140 | 31 | 3,004 |
| Commercial light service..... | 92 | 18 | 50 | 16 | 555 |
| Power service..... | 14 | 1 | 1 | | 90 |
| Total..... | 401 | 65 | 191 | 47 | 3,649 |

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Bloomfield 614 | Bowman- ville 3,641 | Brighton 1,413 | Brockville 9,615 | Cardinal 1,305 | Carleton Place 4,272 | Chester- ville 950 |
|-------------------|---------------------------|-------------------|---------------------|-------------------|----------------------------|--------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,713.31 | 30,135.04 | 10,102.13 | 45,903.86 | 6,257.90 | 18,946.89 | 5,396.47 |
| 807.79 | 10,239.80 | 4,619.79 | 25,015.27 | 1,943.40 | 9,355.65 | 2,298.21 |
| 497.13 | 40,064.74 | 2,051.65 | 30,457.81 | 551.64 | 23,803.35 | 2,562.57 |
| | | | 5,566.61 | | 1,930.94 | |
| 720.00 | 4,057.17 | 1,644.00 | 8,772.50 | 1,066.00 | 4,385.00 | 1,032.00 |
| | | | | | | 241.05 |
| 5.46 | 620.16 | 77.59 | 6,450.70 | 4.44 | 2,203.81 | 506.08 |
| 4,743.69 | 85,116.91 | 18,495.16 | 122,166.75 | 9,823.38 | 60,625.64 | 12,036.38 |
| 4,139.16 | 63,015.45 | 10,233.57 | 75,024.19 | 5,566.26 | 38,341.57 | 8,042.22 |
| | | | 5,415.00 | | | |
| | | | 498.09 | | 171.79 | |
| 63.90 | 2,291.59 | 2,722.31 | 1,793.65 | 823.14 | 1,765.85 | 977.58 |
| | 288.34 | 140.00 | 418.09 | 45.00 | 65.30 | |
| 157.26 | 472.34 | 262.53 | 1,957.13 | 4.80 | 176.60 | |
| | 4.10 | 48.95 | | 1.48 | | |
| 100.00 | 610.53 | 182.99 | 1,871.14 | 176.85 | 298.48 | 180.00 |
| | 8.35 | 64.96 | 198.92 | | | |
| | 1,943.55 | 815.02 | 2,159.94 | | 1,557.25 | 409.75 |
| 201.76 | 2,515.67 | 1,487.67 | 5,082.23 | 499.27 | 3,373.66 | 413.89 |
| | 979.05 | 733.98 | 1,928.91 | | 276.02 | |
| | | 350.94 | 608.87 | | 648.34 | |
| 486.48 | 2,965.14 | 1,140.51 | 3,935.46 | 703.50 | 2,684.61 | 106.24 |
| 403.82 | 2,309.30 | 851.76 | 7,249.18 | 500.13 | 2,409.68 | 190.90 |
| 486.00 | 1,493.00 | 574.00 | 8,191.00 | 329.00 | 1,974.00 | 597.00 |
| | | | | | 500.00 | |
| 6,038.38 | 78,896.41 | 19,609.19 | 116,331.80 | 8,649.43 | 54,243.15 | 10,917.58 |
| | 6,220.50 | | 5,834.95 | 1,173.95 | 6,382.49 | 1,118.80 |
| 1,294.69 | | 1,114.03 | | | | |
| 148 | 1,045 | 537 | 2,541 | 286 | 938 | 227 |
| 26 | 173 | 95 | 438 | 50 | 178 | 65 |
| 4 | 29 | 9 | 67 | 2 | 18 | 3 |
| 178 | 1,247 | 641 | 3,046 | 338 | 1,134 | 295 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality | Cobourg | Colborne* | Deseronto | Finch | Hastings |
|---|--------------|--------------|--------------|--------------|--------------|
| Population | 5,619 | 977 | 1,418 | 383 | 707 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service | 30,913.56 | 4,517.68 | 6,416.69 | 1,941.99 | 3,997.82 |
| Commercial light service | 18,424.66 | 3,112.69 | 2,254.49 | 1,549.09 | 1,684.61 |
| Commercial power service | 22,556.07 | 357.94 | 1,171.51 | 700.39 | 759.66 |
| Municipal power | 5,388.15 | 233.32 | 856.70 | | |
| Street lighting | 5,584.04 | 1,287.00 | 1,791.96 | 502.50 | 1,550.92 |
| Merchandise | | 128.24 | 28.30 | | |
| Miscellaneous | 1,120.51 | 181.67 | 228.24 | 122.96 | 236.43 |
| Total earnings | 83,986.99 | 9,818.54 | 12,747.89 | 4,816.93 | 8,229.44 |
| EXPENSES | | | | | |
| Power purchased | 54,650.04 | 4,171.90 | 7,090.74 | 2,686.18 | 3,443.48 |
| Substation operation | | | | | |
| Substation maintenance | | | | | |
| Distribution system, operation and maintenance | 1,922.74 | 867.06 | 1,716.77 | 93.65 | 152.28 |
| Line transformer maintenance | 613.81 | 60.32 | 8.96 | | |
| Meter maintenance | 591.35 | 72.79 | 231.62 | | 8.39 |
| Consumers' premises expenses | 210.47 | | | | |
| Street lighting, operation and maintenance | 684.56 | 108.69 | 245.36 | 28.90 | 85.08 |
| Promotion of business | 5.63 | | | | |
| Billing and collecting | 2,404.41 | | 304.93 | | |
| General office, salaries and expenses | 3,940.15 | 1,237.79 | 701.75 | 213.48 | 388.46 |
| Undistributed expenses | 1,594.58 | 40.34 | 82.60 | | 27.00 |
| Truck operation and maintenance | 124.75 | 220.66 | | | |
| Interest | 4,763.05 | 940.11 | 574.36 | 374.58 | 1,155.40 |
| Sinking fund and principal payments on debentures | 3,291.15 | | 487.88 | 254.64 | 635.39 |
| Depreciation | 2,207.00 | 188.00 | 350.00 | 253.00 | 419.00 |
| Other reserves | | | | | |
| Total operating costs and fixed charges | 77,003.69 | 7,907.66 | 11,794.97 | 3,904.43 | 6,314.48 |
| Net surplus | 6,983.30 | 1,910.88 | 952.92 | 912.50 | 1,914.96 |
| Net loss | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service | 1,114 | 218 | 291 | 78 | 166 |
| Commercial light service | 141 | 79 | 66 | 31 | 49 |
| Power service | 45 | 3 | 11 | 1 | 5 |
| Total | 1,300 | 300 | 368 | 110 | 220 |

*Eleven months operation.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Havelock | Kemptville | Kingston | Lakefield | Lanark | Lancaster | Lindsay |
|-----------|------------|------------|-----------|----------|-----------|-----------|
| 1,096 | 1,227 | 23,260 | 1,303 | 636 | 601 | 7,109 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6,089.60 | 7,000.28 | 108,782.64 | 6,425.25 | 2,792.36 | 2,016.86 | 37,863.94 |
| 2,087.16 | 4,387.41 | 72,441.72 | 3,463.55 | 1,201.42 | 1,677.89 | 22,212.24 |
| 2,881.48 | 4,620.72 | 87,493.96 | 1,826.60 | | | 23,502.85 |
| | | 10,776.04 | | | | 2,766.94 |
| 1,508.00 | 1,830.00 | 25,486.08 | 1,836.00 | 592.00 | 1,496.50 | 8,172.90 |
| 363.29 | 1,013.48 | 5,093.99 | 709.52 | 104.92 | | 2,838.90 |
| 12,929.53 | 18,851.89 | 310,074.43 | 14,260.92 | 4,690.70 | 5,191.25 | 97,357.77 |
| 7,263.50 | 10,635.37 | 133,259.80 | 10,133.61 | 3,392.60 | 3,377.46 | 68,252.96 |
| | | 5,155.05 | | | | |
| | | 3,222.67 | | | | |
| 751.52 | 1,594.48 | 18,450.85 | 886.32 | 317.43 | 105.50 | 2,860.38 |
| | 44.46 | 852.15 | | | | 493.18 |
| | 296.74 | 5,377.77 | 42.63 | 96.57 | | 480.86 |
| | | 2,044.74 | | | | 521.69 |
| 121.00 | 138.46 | 9,335.17 | 113.26 | 57.09 | 27.34 | 1,184.90 |
| | 37.24 | 216.79 | | | | |
| | 969.33 | 7,519.97 | 595.74 | | | 2,610.25 |
| 358.46 | 510.82 | 13,008.98 | 611.09 | 304.23 | 301.90 | 6,405.06 |
| | | 12,678.45 | 200.85 | | | 1,446.13 |
| 183.66 | 362.41 | 3,319.30 | | | | 217.20 |
| 1,098.33 | 1,153.09 | 7,912.95 | 1,766.00 | 234.54 | 437.17 | 5,470.74 |
| 1,775.58 | 636.30 | 11,142.78 | 825.76 | 464.45 | 711.11 | 4,778.81 |
| 843.00 | 897.00 | 19,218.00 | 1,108.00 | 254.00 | 277.00 | 3,427.00 |
| | | 25,744.76 | | | | |
| 12,395.05 | 17,275.70 | 278,460.18 | 16,283.26 | 5,120.91 | 5,237.48 | 98,149.16 |
| 534.48 | 1,576.19 | 31,614.25 | | | | |
| | | | 2,022.34 | 430.21 | 46.23 | 791.39 |
| 281 | 318 | 5,620 | 309 | 150 | 78 | 1,830 |
| 64 | 83 | 878 | 69 | 36 | 36 | 334 |
| 3 | 7 | 143 | 6 | | | 76 |
| 348 | 408 | 6,641 | 384 | 186 | 114 | 2,240 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality..... | Madoc | Marmora | Martintown | Maxville |
|--|--------------|--------------|--------------|--------------|
| Population..... | 1,059 | 924 | P.V. | 785 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 4,856.28 | 3,613.94 | 807.82 | 3,191.96 |
| Commercial light service..... | 3,484.56 | 1,496.46 | 987.08 | 2,396.57 |
| Commercial power service..... | 1,016.60 | 131.40 | | |
| Municipal power..... | | | | |
| Street lighting..... | 1,524.00 | 1,448.00 | 300.00 | 1,430.04 |
| Merchandise..... | | | | |
| Miscellaneous..... | 69.12 | 97.87 | 93.42 | 30.65 |
| Total earnings..... | 10,950.56 | 6,787.67 | 2,188.32 | 7,049.22 |
| EXPENSES | | | | |
| Power purchased..... | 6,878.33 | 4,194.82 | 1,085.89 | 4,888.65 |
| Substation operation..... | | | | |
| Substation maintenance..... | | | | |
| Distribution system, operation and maintenance..... | 566.96 | 53.65 | 29.55 | 214.57 |
| Line transformer maintenance..... | | | | |
| Meter maintenance..... | 45.44 | | | |
| Consumers' premises expenses..... | | | | |
| Street lighting, operation and maintenance..... | 193.85 | 76.50 | 38.70 | 59.42 |
| Promotion of business..... | | | | |
| Billing and collecting..... | | | | |
| General office, salaries and expenses..... | 1,091.32 | 503.51 | 130.50 | 304.13 |
| Undistributed expenses..... | | | | |
| Truck operation and maintenance..... | | | | |
| Interest..... | 70.54 | 551.35 | 195.19 | 474.86 |
| Sinking fund and principal payments on debentures..... | 447.48 | 720.86 | 328.21 | 872.41 |
| Depreciation..... | 374.00 | 539.00 | 135.00 | 481.00 |
| Other reserves..... | | | | |
| Total operating costs and fixed charges..... | 9,667.92 | 6,639.69 | 1,943.04 | 7,295.04 |
| Net surplus..... | 1,282.64 | 147.98 | 245.28 | |
| Net loss..... | | | | 245.82 |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 260 | 198 | 35 | 132 |
| Commercial light service..... | 98 | 44 | 22 | 43 |
| Power service..... | 6 | 2 | | |
| Total..... | 364 | 244 | 57 | 175 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Napanee | Norwood | Omemeë | Oshawa | Ottawa | Perth | Peterborough |
|-----------|----------|----------|------------|------------|-----------|--------------|
| 3,014 | 727 | 498 | 23,002 | 130,672 | 3,994 | 22,809 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 26,679.48 | 4,480.44 | 2,249.60 | 148,818.93 | 421,647.54 | 22,755.27 | 117,648.00 |
| 13,744.34 | 2,176.66 | 1,268.12 | 57,042.47 | 159,028.96 | 15,109.94 | 57,718.24 |
| 12,225.60 | 626.22 | 1,452.73 | 134,048.33 | 54,871.97 | 16,128.17 | 73,455.92 |
| 1,467.01 | | | 6,366.23 | 29,594.68 | 2,075.60 | 6,386.77 |
| 4,473.94 | 1,578.00 | 924.00 | 10,573.28 | 72,933.23 | 2,066.00 | 19,518.00 |
| | | | | | 1,452.85 | |
| 767.94 | 400.51 | | 5,619.03 | | 1,949.87 | 1,280.86 |
| 59,358.31 | 9,261.83 | 5,894.45 | 362,468.27 | 738,076.38 | 61,537.70 | 276,007.79 |
| 37,613.44 | 3,971.85 | 2,779.53 | 328,295.17 | 368,718.84 | 38,116.49 | 196,442.92 |
| | | | | 23,876.25 | 360.00 | 5,998.99 |
| | | | | 609.01 | | 356.46 |
| 4,264.78 | 728.76 | 375.10 | 5,912.29 | 23,828.68 | 1,348.51 | 5,543.76 |
| 418.45 | | 2.50 | 367.06 | 2,020.19 | 48.86 | 850.54 |
| 1,114.00 | | 79.84 | 947.14 | 10,443.72 | 597.82 | 4,696.52 |
| 55.52 | | | 145.15 | 3,471.66 | | 267.11 |
| 989.79 | 120.00 | 40.39 | 1,677.49 | 25,698.32 | 522.75 | 3,067.29 |
| | | | 618.48 | 10,463.05 | | |
| 1,599.02 | | | 9,182.16 | 36,755.94 | 1,440.35 | 6,369.51 |
| 3,880.12 | 479.36 | 264.06 | 4,691.14 | 20,630.80 | 3,100.09 | 6,349.90 |
| 2,046.57 | | | 3,821.12 | 22,146.16 | 735.21 | 5,102.62 |
| 94.18 | 189.55 | | | 2,308.87 | 401.22 | 2,423.03 |
| 1,682.49 | 1,743.04 | 235.97 | 12,755.46 | 47,700.61 | 2,880.45 | 27,488.77 |
| 2,384.96 | 1,026.21 | 760.29 | 11,063.49 | 21,224.29 | 1,819.09 | 14,263.54 |
| 1,529.00 | 1,027.00 | 558.00 | 9,162.00 | 71,594.00 | 3,224.00 | 15,627.00 |
| | | | 964.86 | 19,000.00 | | 1,200.00 |
| 57,672.32 | 9,285.77 | 5,095.68 | 389,603.01 | 710,490.39 | 54,594.84 | 296,047.96 |
| 1,685.99 | | 798.77 | | 27,585.99 | 6,942.86 | |
| | 23.94 | | 27,134.74 | | | 20,040.17 |
| 770 | 217 | 126 | 5,878 | 12,491 | 934 | 5,274 |
| 190 | 70 | 47 | 510 | 1,382 | 192 | 774 |
| 35 | 2 | 6 | 98 | 214 | 25 | 155 |
| 995 | 289 | 179 | 6,486 | 14,087 | 1,151 | 6,203 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

| Municipality..... | Pictou | Port Hope | Prescott | Richmond | Russell |
|--|-----------|-----------|-----------|----------|----------|
| Population..... | 3,217 | 4,626 | 2,952 | 381 | P.V. |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 21,579.51 | 29,372.14 | 15,796.30 | 1,868.77 | 2,535.67 |
| Commercial light service..... | 12,218.11 | 11,563.02 | 8,332.02 | 1,551.59 | 1,284.49 |
| Commercial power service..... | 6,746.07 | 22,168.35 | 3,234.08 | | |
| Municipal power..... | 1,883.78 | 2,101.20 | 1,522.81 | | |
| Street lighting..... | 4,364.04 | 4,615.00 | 3,475.00 | 500.00 | 736.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 1,588.57 | 144.58 | 149.55 | 5.31 | 30.08 |
| Total earnings..... | 48,380.08 | 69,964.29 | 32,509.76 | 3,925.67 | 4,586.24 |
| EXPENSES | | | | | |
| Power purchased..... | 37,408.54 | 45,161.39 | 24,633.82 | 2,839.73 | 2,863.50 |
| Substation operation..... | | | 1,213.64 | | |
| Substation maintenance..... | | | 11.71 | | |
| Distribution system, operation and maintenance..... | 2,076.15 | 2,285.05 | 2,019.29 | 44.13 | 54.51 |
| Line transformer maintenance..... | 94.37 | 13.77 | 88.00 | | |
| Meter maintenance..... | 464.19 | 1,210.08 | 181.45 | | |
| Consumers' premises expenses..... | | 1.50 | | | |
| Street lighting, operation and maintenance..... | 411.83 | 778.79 | 714.66 | 14.36 | 112.28 |
| Promotion of business..... | 7.12 | | | | |
| Billing and collecting..... | 1,167.77 | 1,973.95 | 1,106.59 | | |
| General office, salaries and expenses..... | 3,255.55 | 4,400.15 | 2,066.11 | 216.10 | 285.82 |
| Undistributed expenses..... | 185.32 | 958.68 | 397.40 | | |
| Truck operation and maintenance..... | 247.94 | 209.76 | | | |
| Interest..... | 54.29 | 1,422.16 | | 343.65 | 419.60 |
| Sinking fund and principal payments on debentures..... | | 2,819.40 | | 223.05 | 417.19 |
| Depreciation..... | 1,832.00 | 1,828.00 | 2,633.00 | 190.00 | 271.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 47,205.07 | 63,062.68 | 35,065.67 | 3,871.02 | 4,423.90 |
| Net surplus..... | 1,175.01 | 6,901.61 | | 54.65 | 162.34 |
| Net loss..... | | | 2,555.91 | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 997 | 1,238 | 655 | 53 | 107 |
| Commercial light service..... | 204 | 203 | 155 | 24 | 33 |
| Power service..... | 38 | 45 | 19 | | |
| Total..... | 1,239 | 1,486 | 829 | 77 | 140 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1933

| Smiths Falls | Stirling | Trenton | Tweed | Warkworth | Wellington | Westport |
|--------------|-----------|------------|-----------|-----------|------------|----------|
| 7,501 | 865 | 6,331 | 1,247 | P.V. | 900 | 733 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 41,684.74 | 5,346.26 | 28,302.03 | 6,324.50 | 2,185.13 | 4,733.77 | 3,198.24 |
| 15,246.98 | 3,351.71 | 17,524.57 | 4,460.90 | 1,551.15 | 2,067.20 | 2,906.93 |
| 16,534.14 | 1,812.83 | 66,346.34 | 2,096.34 | | 2,128.95 | |
| 225.00 | 234.45 | 1,897.90 | 204.57 | | | |
| 8,342.30 | 1,433.00 | 8,076.00 | 1,886.25 | 643.75 | 1,160.04 | 1,705.00 |
| 3,260.40 | 408.27 | 2,102.88 | 10.88 | 140.80 | 261.27 | 122.27 |
| 85,293.56 | 12,586.52 | 124,249.72 | 14,983.44 | 4,520.83 | 10,351.23 | 7,932.44 |
| 45,792.24 | 7,625.67 | 85,336.89 | 9,164.96 | 3,244.39 | 7,728.80 | 4,791.34 |
| 1,921.00 | 108.95 | | | | | |
| 373.29 | | 15.87 | | | | |
| 2,991.14 | 1,047.86 | 2,346.73 | 867.73 | 48.35 | 630.31 | 251.99 |
| 16.66 | | 57.07 | | | | 47.26 |
| 1,006.02 | 72.69 | 1,752.11 | 166.22 | | 25.67 | 93 |
| | 75 | 364.32 | 35 | | | |
| 742.72 | 375.34 | 1,502.64 | 403.30 | 20.00 | 150.52 | 110.48 |
| | 69.76 | 16.10 | 48.62 | | | |
| 3,371.85 | 429.46 | 2,632.19 | 562.04 | | | |
| 4,167.55 | 1,022.46 | 4,651.08 | 1,000.75 | 175.67 | 625.87 | 418.33 |
| 1,016.51 | 217.01 | 1,455.72 | 232.50 | | 42.57 | 25.50 |
| 609.48 | 367.75 | 733.61 | | | | |
| 4,835.95 | | 7,562.22 | 683.21 | 581.61 | 828.77 | 804.55 |
| 12,329.72 | | 5,366.67 | 647.34 | 221.76 | 640.02 | 453.85 |
| 5,712.00 | 953.00 | 3,539.00 | 440.00 | 199.00 | 694.00 | 207.00 |
| 84,886.13 | 12,290.70 | 117,332.22 | 14,217.02 | 4,490.78 | 11,366.53 | 7,111.23 |
| 407.43 | 295.82 | 6,917.50 | 766.42 | 30.05 | | 821.21 |
| | | | | | 1,015.30 | |
| 1,640 | 268 | 1,251 | 249 | 106 | 284 | 96 |
| 257 | 80 | 220 | 92 | 43 | 64 | 49 |
| 44 | 10 | 48 | 12 | | 6 | |
| 1,941 | 358 | 1,519 | 353 | 149 | 354 | 145 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Concluded

| Municipality..... | Whitby | Williamsburg | Winchester | EASTERN ONTARIO SYSTEM SUMMARY |
|---|-----------|--------------|------------|---|
| Population..... | 5,294 | P.V. | 963 | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 19,548.69 | 3,702.03 | 5,870.21 | 1,377,574.45 |
| Commercial light service..... | 9,555.38 | 7,503.38 | 3,363.90 | 661,352.71 |
| Commercial power service..... | 14,189.33 | 231.98 | 1,548.03 | 715,964.74 |
| Municipal power..... | 2,312.74 | | | 93,135.34 |
| Street lighting..... | 3,716.43 | 192.00 | 1,062.00 | 248,809.48 |
| Merchandise..... | | | 36.87 | 2,432.01 |
| Miscellaneous..... | 1,355.95 | 165.44 | 363.54 | 43,581.42 |
| Total earnings..... | 50,678.52 | 11,794.83 | 12,244.55 | 3,142,850.15 |
| EXPENSES | | | | |
| Power purchased..... | 37,949.47 | 5,726.19 | 8,812.03 | 1,984,639.39 |
| Substation operation..... | | | | 44,048.88 |
| Substation maintenance..... | 162.12 | | | 5,421.01 |
| Distribution system, operation and maintenance..... | 2,861.02 | 721.37 | 577.53 | 106,793.88 |
| Line transformer maintenance..... | 45.31 | | | 7,512.57 |
| Meter maintenance..... | 456.78 | | | 36,551.43 |
| Consumers' premises expenses..... | 75.77 | | | 7,542.11 |
| Street lighting, operation and main- tenance..... | 699.47 | 60.75 | 178.95 | 56,176.49 |
| Promotion of business..... | 144.80 | | | 13,085.60 |
| Billing and collecting..... | 1,588.13 | | | 94,627.71 |
| General office, salaries and expenses.. | 1,581.45 | 378.24 | 902.46 | 116,169.12 |
| Undistributed expenses..... | 251.89 | | | 60,506.02 |
| Truck operation and maintenance... | 203.85 | | | 14,039.53 |
| Interest..... | 2,175.59 | 82.00 | 389.22 | 158,412.73 |
| Sinking fund and principal payments on debentures..... | 3,475.42 | 200.15 | 384.48 | 130,523.35 |
| Depreciation..... | 2,837.10 | 181.00 | 598.00 | 176,758.10 |
| Other reserves..... | | | | 47,409.62 |
| Total operating costs and fixed charges..... | 54,508.17 | 7,349.70 | 11,842.67 | 3,060,217.54 |
| Net surplus..... | | 4,445.13 | 401.88 | 82,632.61 |
| Net loss..... | 3,829.65 | | | |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 833 | 92 | 277 | 54,152 |
| Commercial light service..... | 158 | 63 | 68 | 8,707 |
| Power service..... | 21 | 1 | 2 | 1,327 |
| Total..... | 1,012 | 156 | 347 | 64,186 |

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1933

THUNDER BAY
SYSTEM

| Fort William | Nipigon | Port Arthur | THUNDER BAY SYSTEM SUMMARY | ALL SYSTEMS GRAND SUMMARY |
|--------------|----------|--------------|-------------------------------------|------------------------------------|
| 25,188 | | 19,749 | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 200,550.28 | 2,510.41 | 107,395.49 | 310,456.18 | 11,429,101.13 |
| 61,130.12 | 1,831.65 | 51,764.78 | 114,726.55 | 6,013,025.96 |
| 43,150.68 | 255.31 | 732,490.93 | 775,896.92 | 9,080,522.07 |
| 23,404.22 | 724.63 | 37,667.09 | 61,795.94 | 1,826,872.07 |
| 17,029.60 | 510.00 | 18,984.96 | 36,524.56 | 1,779,582.48 |
| | | | | 12,812.74 |
| 7,331.24 | | 18,566.30 | 25,897.54 | 485,925.43 |
| 352,596.14 | 5,832.00 | 966,869.55 | 1,325,297.69 | 30,627,841.88 |
| 269,607.02 | 3,115.86 | 855,196.51 | 1,127,919.39 | 19,330,861.58 |
| 6,169.16 | | 19,665.66 | 25,834.82 | 484,764.57 |
| 378.82 | | 1,066.32 | 1,445.14 | 288,583.29 |
| 10,090.24 | 474.20 | 12,045.49 | 22,609.93 | 895,350.99 |
| 283.77 | 29.48 | 1,570.58 | 1,883.83 | 82,321.32 |
| 6,665.82 | 40.40 | 3,866.33 | 10,572.55 | 283,115.98 |
| 293.48 | | | 293.48 | 361,499.20 |
| 6,307.37 | 19.88 | 6,887.14 | 13,214.39 | 353,082.15 |
| | | 1,822.05 | 1,822.05 | 259,936.42 |
| 11,086.77 | | 9,826.46 | 20,913.23 | 817,660.03 |
| 5,589.70 | 592.86 | 10,474.79 | 16,657.35 | 908,517.79 |
| 4,307.99 | | 4,873.80 | 9,181.79 | 349,101.36 |
| 1,601.44 | | 1,245.52 | 2,846.96 | 105,452.68 |
| 22,960.97 | 376.70 | 17,768.51 | 41,106.18 | 2,426,286.35 |
| 12,241.58 | 433.28 | 8,780.03 | 21,454.89 | 2,319,319.09 |
| 11,986.37 | 473.00 | 30,021.77 | 42,481.14 | 1,894,714.87 |
| 1,643.82 | | 18,213.50 | 19,857.32 | 94,285.54 |
| 371,214.32 | 5,555.66 | 1,003,324.46 | 1,380,094.44 | 31,254,853.21 |
| | 276.34 | | | |
| 18,618.18 | | 36,454.91 | 54,796.75 | 627,011.33 |
| 5,260 | 134 | 4,053 | 9,447 | 452,557 |
| 827 | 39 | 728 | 1,594 | 73,628 |
| 98 | 2 | 97 | 197 | 12,813 |
| 6,185 | 175 | 4,878 | 11,238 | 538,998 |

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-------------------|------------|----------------------------|--|-------------------------|---|--|-----------------------|
| | | | | | \$ c. | \$ c. | \$ c. |
| Acton..... | 1,895 | { 127 5 61 1 3 | { 80 c.p. 80 c.p. 100 watt 150 watt 300 watt | { s s m m m | { 9.00 12.00 9.00 12.00 20.00 | 1,824.00 | .96 |
| Agincourt..... | | 58 | 100 watt | m | 13.00 | 750.04 | ** |
| Ailsa Craig.... | 464 | { 61 1 | { 100 watt 200 watt | { m m | { 10.00 18.00 | 620.50 | 1.34 |
| Alexandria..... | 2,340 | { 95 41 | { 100 watt 200 watt | { m m | { 17.00 25.00 | 2,640.00 | 1.13 |
| Alliston..... | 1,379 | { 102 13 | { 100 c.p. 100 watt | { s m | { 18.00 18.00 | 2,070.00 | 1.50 |
| Alvinston..... | 690 | { 84 6 | { 100 watt 200 watt | { m m | { 20.00 29.00 | 1,854.00 | 2.69 |
| Amherstburg... | 3,086 | { 81 9 23 12 | { 100 c.p. 250 c.p. 200 watt 300 watt | { s s m m | { 15.00 30.00 20.00 30.00 | 2,270.22 | †† |
| Ancaster Twp..... | | { 32 49 | { 100 watt 150 watt | { m m | { 12.50 15.00 | 1,135.00 | ** |
| Apple Hill..... | | 33 | 100 watt | m | 17.00 | 559.75 | ** |
| Arkona..... | 416 | 48 | 100 watt | m | 20.00 | 960.00 | 2.31 |
| Arthur..... | 1,037 | 92 | 100 watt | m | 19.00 | 1,748.00 | 1.69 |
| Athens..... | 582 | { 40 23 | { 100 watt 200 watt | { m m | { 14.00 30.00 | 1,250.00 | 2.15 |
| Aylmer..... | 1,989 | { 168 24 1 | { 100 watt 300 watt Traffic Light | { m m m | { 10.00 25.00 40.00 | 2,320.00 | 1.17 |
| Ayr..... | 768 | { 92 3 | { 100 watt 500 watt | { m m | { 10.00 36.00 | 1,028.00 | 1.34 |
| Baden..... | | 65 | 100 watt | m | 10.00 | 650.00 | ** |
| Barrie..... | 7,455 | { 464 15 41 23 | { 100 c.p. 100 watt 200 watt 300 watt | { s m m m | { 9.00 17.00 22.00 25.00 | 5,961.25 | .80 |
| Bath..... | 350 | 21 | 100 watt | m | 34.00 | 714.00 | 2.04 |
| Beachville..... | | 47 | 100 watt | m | 11.00 | 517.00 | ** |

**Population not shown in Government statistics. s Series system. m Multiple system.
††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|---------------------|------------|--|---|---|--|-----------------------|
| Beaverton..... | 960 | { 9 104 6 | 100 watt <i>m</i> 100 watt <i>m</i> 500 watt <i>m</i> | \$ c. 7.00 10.00 30.00 | \$ c. 1,286.52 | \$ c. 1.34 |
| Beeton..... | 584 | { 65 14 | 150 c.p. <i>s</i> 100 watt <i>m</i> | 15.00 15.00 | 1,185.00 | 2.03 |
| Belle River.... | 746 | 63 | 100 watt <i>m</i> | 11.00 | 693.00 | .93 |
| Belleville..... | 14,059 | { 542 22 52 103 | 100 c.p. <i>s</i> 400 c.p. <i>s</i> 1,000 c.p. <i>s</i> 300 watt <i>m</i> | 9.00 28.00 52.00 33.00 | 11,655.86 | .83 |
| Blenheim..... | 1,690 | { 163 3 12 | 150 c.p. <i>s</i> 400 c.p. <i>s</i> 600 c.p. <i>s</i> Traffic Light <i>m</i> | 12.00 28.00 37.00 16.00 | 2,500.00 | †† |
| Bloomfield..... | 614 | 60 | 80 c.p. <i>s</i> | 12.00 | 720.00 | 1.17 |
| Blyth..... | 602 | 100 | 100 watt <i>m</i> | 13.00 | 1,300.00 | 2.16 |
| Bolton..... | 593 | { 45 23 | 100 watt <i>m</i> 200 watt <i>m</i> | 13.00 23.00 | 1,113.99 | 1.88 |
| Bothwell..... | 646 | { 66 21 | 100 watt <i>m</i> 300 watt <i>m</i> | 11.00 27.00 | 1,293.00 | 2.00 |
| Bowmanville... | 3,641 | { 171 4 42 | 80 c.p. <i>s</i> 150 watt <i>m</i> 300 watt <i>m</i> | 14.00 27.00 37.00 | 4,057.17 | 1.11 |
| Bradford..... | 1,009 | { 60 7 | 80 c.p. <i>s</i> 100 watt <i>m</i> | 19.00 19.00 | 1,273.00 | 1.26 |
| Brampton..... | 5,413 | { 659 2 13 | 100 watt <i>m</i> 500 watt <i>m</i> Fire Alarm | 8.00 35.00 6.50 | 5,426.50 | 1.00 |
| Brantford..... | 30,724 | { 149 3,501 10 12 2 2 20 | 1,500 c.p. <i>s</i> 100 watt <i>m</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 750 watt <i>m</i> | 45.00 7.50 8.50 11.00 16.00 45.00 46.00 | 34,414.16 | †† |
| Brantford Twp. | | 369 | 100 watt <i>m</i> | 11.00 | 4,250.50 | ** |
| Brechin..... | ‡ | 32 | 100 watt <i>m</i> | 18.00 | 576.00 | ** |
| Bridgeport..... | | 58 | 100 watt <i>m</i> | 10.00 | 580.00 | ** |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Part cost paid direct in the form of debenture charges.

‡Includes Mara and Thorah Townships.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|---------------------|------------|---|--|--|---|--|-----------------------|
| Brigden..... | | { 41 21 | 60 watt 100 watt | <i>m</i> <i>m</i> | \$ c. 11.00 14.00 | \$ c. 745.00 | \$ c. ** |
| Brighton..... | 1,413 | 137 | 80 c.p. | <i>s</i> | 12.00 | 1,644.00 | 1.16 |
| Brockville..... | 9,615 | { 589 15 35 49 6 | 100 c.p. 1-Lt. stds. 3-Lt. stds. 5-Lt. stds. 300 watt | <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 11.00 17.00 21.00 24.00 24.00 | 8,772.50 | .91 |
| Brussels..... | 770 | { 80 18 | 100 watt 200 watt | <i>m</i> <i>m</i> | 12.00 18.00 | 1,284.00 | 1.67 |
| Burford..... | | 67 | 100 watt | <i>m</i> | 11.00 | 737.04 | ** |
| Burgessville..... | | 24 | 100 watt | <i>m</i> | 13.0 | 312.00 | ** |
| Caledonia..... | 1,400 | { 158 20 8 | 100 watt 100 watt 100 watt | <i>m</i> <i>m</i> <i>m</i> | 8.00 9.50 13.00 | 1,546.98 | 1.10 |
| Campbellville..... | | 19 | 100 watt | <i>m</i> | 24.00 | 456.00 | ** |
| Cannington..... | 851 | { 61 3 3 | 100 watt 300 watt 500 watt | <i>m</i> <i>m</i> <i>m</i> | 14.00 22.00 32.00 | 1,022.00 | 1.20 |
| Cardinal..... | 1,305 | { 16 41 | 100 watt 200 watt | <i>m</i> <i>m</i> | 15.00 21.00 | 1,066.00 | .81 |
| Carleton Place..... | 4,272 | { 84 102 67 | 60 watt 200 watt 300 watt | <i>m</i> <i>m</i> <i>m</i> | 12.00 18.00 23.00 | 4,385.00 | 1.03 |
| Cayuga..... | 705 | 85 | 100 watt | <i>m</i> | 18.00 | 1,431.00 | 2.03 |
| Chatham..... | 16,223 | { 35 715 32 75 33 136 2 | 150 c.p. 150 c.p. 250 c.p. 600 c.p. 600 c.p. 1,000 c.p. 250 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> | 12.00 13.00 16.00 30.00 31.00 38.00 24.00 | 19,009.95 | †† |
| Chatsworth..... | 272 | 41 | 100 watt | <i>m</i> | 12.00 | 492.00 | 1.81 |
| Chesley..... | 1,789 | 114 | 150 c.p. | <i>s</i> | 14.00 | 1,596.00 | .89 |
| Chesterville..... | 950 | 86 | 100 watt | <i>m</i> | 12.00 | 1,032.00 | 1.09 |
| Chippawa..... | 1,073 | 93 | 100 watt | <i>m</i> | 12.00 | 1,096.00 | 1.02 |
| Clifford..... | 454 | 62 | 100 watt | <i>m</i> | 14.00 | 862.17 | 1.90 |
| Clinton..... | 1,842 | { 149 22 1 | 150 c.p. 100 watt 500 watt | <i>s</i> <i>m</i> <i>m</i> | 11.00 11.00 55.00 | 1,987.02 | 1.08 |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------|------------|-----------------------|----------------------------------|-------------|-------------------------------|--|-----------------------|
| | | | | | \$ c. | \$ c. | \$ c. |
| Cobourg..... | 5,619 | { 387 4 18 | 100 c.p. 250 c.p. 500 watt | s s m | 12.00 23.00 47.50 | 5,584.04 | .99 |
| Colborne..... | 977 | 117 | 80 c.p. | s | 12.00 | 1,287.00 | †† |
| Coldwater..... | 626 | { 6 47 | 60 watt 100 watt | m m | 9.00 11.00 | 571.00 | .91 |
| Collingwood... | 5,788 | 422 | 100 c.p. | s | 8.00 | 3,013.33 | .52 |
| Comber..... | | 26 | 100 watt | m | 18.00 | 512.00 | ** |
| Cookstown..... | | 56 | 150 c.p. | s | 18.00 | 1,008.00 | ** |
| Cottam..... | | 31 | 100 watt | m | 15.00 | 457.50 | ** |
| Courtright..... | 348 | 43 | 100 watt | m | 18.00 | 774.00 | 2.22 |
| Creemore..... | 587 | 59 | 100 watt | m | 12.00 | 673.63 | 1.15 |
| Dashwood..... | | 41 | 100 watt | m | 11.00 | 451.00 | ** |
| Delaware..... | | 22 | 100 watt | m | 12.00 | 264.00 | ** |
| Deseronto..... | 1,418 | 128 | 100 c.p. | s | 14.00 | 1,791.96 | 1.26 |
| Dorchester..... | | 59 | 100 watt | m | 10.00 | 590.00 | ** |
| Drayton..... | 559 | 75 | 100 watt | m | 10.00 | 750.00 | 1.34 |
| Dresden..... | 1,488 | { 130 15 | 100 c.p. 50 watt | s m | 13.00 4.56 | 1,758.36 | 1.18 |
| Drumbo..... | | { 39 1 | 100 watt 250 watt | m m | 13.00 31.00 | 522.50 | ** |
| Dublin..... | | 50 | 100 watt | m | 15.00 | 750.00 | ** |
| Dundalk..... | 647 | 82 | 100 watt | m | 14.00 | 1,220.00 | 1.89 |
| Dundas..... | 5,138 | { 285 16 27 | 100 watt 200 watt 300 watt | m m m | 12.00 16.00 37.00 | 5,388.00 | 1.05 |
| Dunnville..... | 3,615 | { 247 27 | 150 c.p. 1,000 c.p. | s s | 11.00 45.00 | 3,941.88 | 1.09 |
| Durham..... | 1,800 | { 105 6 | 150 c.p. 400 c.p. | s s | 17.00 25.00 | 1,935.00 | 1.08 |
| Dutton..... | 761 | 111 | 100 watt | m | 9.00 | 999.37 | 1.31 |
| East Windsor... | 14,333 | { 338 194 | 100 watt 200 watt | m m | 8.00 14.00 | 8,419.92 | †† |

**Population not shown in Government statistics. s Series system.

m Multiple system.

††Part cost paid direct in the form of debenture charges.

†††11 months' operation.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|---------------------|------------|-----------------------|-------------------------------|-------------------------------|--|-----------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| East York Twp. | | { 1 | 60 watt | <i>m</i> 7.80 | 19,637.45 | ** |
| | | { 942 | 100 watt | <i>m</i> 13.00 | | |
| | | { 4 | 200 watt | <i>m</i> 19.50 | | |
| | | { 268 | 300 watt | <i>m</i> 26.00 | | |
| | | { 15 | 50 watt | <i>m</i> 29.00 | | |
| Elmira..... | 2,642 | { 190 | 100 watt | <i>m</i> 9.00 | 1,834.00 | .69 |
| | | { 8 | 200 watt | <i>m</i> 12.00 | | |
| | | { 1 | 500 watt | <i>m</i> 28.00 | | |
| Elmvale..... | | 50 | 100 watt | <i>m</i> 13.00 | 662.31 | ** |
| Elmwood..... | | 23 | 150 watt | <i>m</i> 23.00 | 529.00 | ** |
| Elora..... | 1,144 | { 81 | 100 watt | <i>m</i> 14.00 | 1,674.00 | 1.46 |
| | | { 27 | 200 watt | <i>m</i> 20.00 | | |
| Embro..... | 455 | 56 | 100 watt | <i>m</i> 12.00 | 672.00 | 1.48 |
| Erieau..... | 264 | 20 | 100 watt | <i>m</i> 18.00 | 360.00 | 1.36 |
| Essex..... | 1,888 | { 121 | 60 watt | <i>m</i> 11.00 | 3,134.99 | 1.66 |
| | | { 29 | 100 watt | <i>m</i> 11.00 | | |
| | | { 4 | 200 watt | <i>m</i> 22.00 | | |
| | | { 61 | 300 watt | <i>m</i> 24.00 | | |
| | | { 1 | 500 watt | <i>m</i> 30.00 | | |
| Etobicoke Twp. | | { 965 | 100 watt | <i>m</i> 13.50 | 13,415.13 | ** |
| | | { 22 | 100 watt | <i>m</i> 18.00 | | |
| Exeter..... | 1,622 | { 167 | 100 watt | <i>m</i> 9.50 | 1,998.94 | 1.23 |
| | | { 23 | 200 watt | <i>m</i> 18.00 | | |
| Fergus..... | 2,559 | { 140 | 100 watt | <i>m</i> 14.00 | 2,915.04 | 1.14 |
| | | { 37 | 150 watt | <i>m</i> 16.50 | | |
| Finch..... | 383 | 38 | 100 watt | <i>m</i> 15.00 | 502.50 | 1.31 |
| Flesherton..... | 491 | { 2 | 60 watt | <i>m</i> 6.00 | 621.00 | 1.26 |
| | | { 53 | 100 watt | <i>m</i> 11.00 | | |
| | | { 1 | 300 watt | <i>m</i> 26.00 | | |
| Fonthill..... | 862 | 71 | 100 watt | <i>m</i> 15.00 | 1,065.00 | 1.24 |
| Forest..... | 1,465 | { 131 | 60 watt | <i>m</i> 7.00 | 2,321.00 | 1.58 |
| | | { 123 | 100 watt | <i>m</i> 11.00 | | |
| | | | Station Platform | 51.00 | | |
| Fort William... | 25,188 | { 572 | 100 c.p. | <i>s</i> 8.00 | 17,029.60 | .68 |
| | | { 2 | 250 c.p. | <i>s</i> 18.00 | | |
| | | { 13 | 300 c.p. | <i>s</i> 23.00 | | |
| | | { 73 | 600 c.p. | <i>s</i> 28.00 | | |
| | | { 266 | 1,000 c.p. | <i>s</i> 38.00 | | |

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------|------------|---|--|---|--|-----------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| Galt..... | 14,036 | { 972 158 51 146 6 | 100 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> | { 9.00 12.00 20.00 35.00 26.00 | 21,384.00 | 1.52 |
| Georgetown.... | 2,187 | { 174 16 1 | 100 watt <i>m</i> 100 watt <i>m</i> 300 watt <i>m</i> | { 11.00 13.00 19.00 | 2,125.83 | * |
| Glencoe..... | 800 | { 111 19 | 100 watt <i>m</i> 200 watt <i>m</i> | { 14.00 20.00 | 1,934.00 | 2.42 |
| Goderich..... | 4,366 | { 325 8 8 16 | 100 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 3-Lt. stds. <i>m</i> | { 9.00 15.00 25.00 35.00 | 3,791.50 | .87 |
| Grand Valley.. | 587 | 52 | 100 watt <i>m</i> | 18.00 | 936.00 | 1.59 |
| Granton..... | | 37 | 100 watt <i>m</i> | 10.00 | 370.00 | ** |
| Gravenhurst... | 1,830 | { 135 7 30 16 | 80 c.p. <i>s</i> 100 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> | { 10.00 11.00 10.00 35.00 | 2,096.24 | 1.15 |
| Guelph..... | 20,754 | { 12 6 1,351 173 34 9 53 1 | 50 watt <i>m</i> 60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt, 220v <i>m</i> Airport Beacon <i>m</i> | { 4.00 4.00 10.00 12.50 18.75 25.00 34.00 60.00 | 18,499.79 | .89 |
| Hagersville.... | 1,370 | { 116 17 | 100 watt <i>m</i> 300 watt <i>m</i> | { 12.00 20.00 | 1,732.00 | 1.26 |
| Hamilton..... | 154,701 | { 10 96 8,270 7 1,166 8 28 94 5 480 596 65 3 2 | 40 watt <i>m</i> 50 watt <i>m</i> 100 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 300 watt <i>m</i> 300 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt <i>m</i> 750 watt <i>m</i> Danger Sig. Stds. Danger Sig. Stds. | { 4.50 6.00 7.50 12.00 11.00 18.00 26.00 32.00 34.00 32.00 37.00 55.00 28.00 70.00 | 123,449.34 | .80 |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Part cost paid direct in the form of debenture charges.

*Includes Glen Williams.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------|------------|-----------------|-------------------------|-------------------------|--------------------------------------|-----------------|
| | | | | \$ c. | \$ c. | \$ c. |
| Hanover..... | 3,036 | { 91 | 100 c.p. | <i>s</i> 27.00 | 3,488.16 | 1.15 |
| | | { 16 | 200 c.p. | <i>s</i> 32.00 | | |
| | | { 5 | 100 watt | <i>m</i> 27.00 | | |
| | | { 12 | 200 watt | <i>m</i> 32.00 | | |
| Harriston..... | 1,293 | { 82 | 150 c.p. | <i>s</i> 12.00 | 1,467.00 | 1.13 |
| | | { 4 | 100 watt | <i>m</i> 12.00 | | |
| | | { 29 | 200 watt | <i>m</i> 15.00 | | |
| Harrow..... | 926 | { 1 | 100 watt | <i>m</i> 12.00 | 1,249.44 | 1.35 |
| | | { 75 | 200 watt | <i>m</i> 16.50 | | |
| Hastings..... | 707 | { 59 | 100 watt | <i>m</i> 24.00 | 1,550.92 | 2.19 |
| | | { 2 | 100 watt | <i>m</i> 30.00 | | |
| | | { 2 | 100 watt | <i>m</i> 39.00 | | |
| Havelock..... | 1,096 | { 63 | 100 c.p. | <i>s</i> 16.00 | 1,508.00 | 1.38 |
| | | { 20 | 250 c.p. | <i>s</i> 25.00 | | |
| Hensall..... | 719 | 83 | 100 watt | <i>m</i> 12.00 | 996.00 | 1.39 |
| Hespeler..... | 2,784 | { 91 | 150 c.p. | <i>s</i> 11.00 | 2,965.00 | 1.07 |
| | | { 34 | 250 c.p. | <i>s</i> 16.00 | | |
| | | { 15 | 400 c.p. | <i>s</i> 30.00 | | |
| | | { 51 | 150 watt | <i>m</i> 10.00 | | |
| | | { 10 | 300 watt | <i>m</i> 21.50 | | |
| | | { 7 | 300 watt | <i>m</i> 35.00 | | |
| Highgate..... | 338 | { 45 | 100 watt | <i>m</i> 11.00 | 568.00 | 1.68 |
| | | { 6 | 200 watt | <i>m</i> 17.00 | | |
| Holstein..... | | 14 | 100 watt | <i>m</i> 35.00 | 490.00 | ** |
| Humberstone.. | 2,265 | { 104 | 100 watt | <i>m</i> 12.00 | 1,367.00 | .60 |
| | | { 7 | 200 watt | <i>m</i> 17.00 | | |
| Huntsville..... | 2,507 | { 47 | 100 c.p. | <i>s</i> 14.00 | 2,675.00 | 1.07 |
| | | { 25 | 150 c.p. | <i>s</i> 18.00 | | |
| | | { 28 | 250 c.p. | <i>s</i> 22.00 | | |
| | | { 68 | 75 watt | <i>m</i> 10.00 | | |
| | | { 118 | 60-75 watt | <i>m</i> | | |
| | | | Per 1,000 w. | 42.00 | | |
| Ingersoll..... | 5,296 | { 13 | 100 c.p. | <i>s</i> 5.50 | 4,851.48 | †† |
| | | { 310 | 100 c.p. | <i>s</i> 11.00 | | |
| | | { 2 | 600 c.p. | <i>s</i> 28.00 | | |
| | | { 2 | 1,000 c.p. | <i>s</i> 25.00 | | |
| | | { 26 | 1,000 c.p. | <i>s</i> 35.00 | | |
| | | { 11 | 300 watt | <i>m</i> 30.00 | | |
| Jarvis..... | 504 | 70 | 100 watt | <i>m</i> 12.00 | 840.00 | 1.67 |

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††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|--------------------|------------|--|--|--|---|---------------------------|
| Kemptville. . . . | 1,227 | { 90 1 | 100 watt 250 w. Fl. light | <i>m</i> <i>m</i> | \$ c. 20.00 30.00 | \$ c. 1,830.00 1.49 |
| Kincardine. . . . | 2,429 | { 151 56 1 | 150 c.p. 100 watt 1,000 watt | <i>s</i> <i>m</i> <i>m</i> | 20.00 15.00 85.00 | 4,022.50 1.66 |
| Kingston. | 23,260 | { 93 289 243 | 100 c.p. 600 c.p. 600 c.p. | <i>s</i> <i>s</i> <i>s</i> | 15.00 40.00 52.00 | 25,486.08 1.10 |
| Kingsville. . . . | 2,286 | { 113 25 122 | 150 c.p. 250 c.p. 100 watt | <i>s</i> <i>s</i> <i>m</i> | 12.00 16.00 12.00 | 3,220.00 †† |
| Kirkfield. | | 23 | 100 watt | <i>m</i> | 20.00 | 460.00 ** |
| Kitchener. | 31,443 | { 47 2,031 90 18 200 436 40 109 | 16 c.p. 80 c.p. 250 c.p. 1,000 c.p. 100 watt 200 watt 300 watt 500 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 7.00 9.00 13.00 25.00 9.00 15.00 17.50 25.00 | 32,415.74 †† |
| Lakefield. | 1,303 | 108 | 100 watt | <i>m</i> | 17.00 | 1,836.00 1.41 |
| Lambeth. | | { 36 1 | 100 watt 300 watt | <i>m</i> <i>m</i> | 12.00 27.00 | 459.00 ** |
| Lanark. | 636 | 37 | 100 watt | <i>m</i> | 16.00 | 592.00 .93 |
| Lancaster. | 601 | 41 | 100 watt | <i>m</i> | 36.50 | 1,496.50 2.49 |
| La Salle. | 600 | 66 | 100 watt | <i>m</i> | 15.00 | 577.50 .96 |
| Leamington. . . . | 5,025 | { 21 100 4 192 | 250 c.p. 400 c.p. 600 c.p. 100 watt | <i>s</i> <i>s</i> <i>s</i> <i>m</i> | 16.00 20.00 26.00 15.00 | 5,456.34 †† |
| Lindsay. | 7,109 | { 414 25 | 100 c.p. 1,000 c.p. | <i>s</i> <i>s</i> | 15.00 70.00 | 8,172.90 1.15 |
| Listowel. | 2,665 | { 162 118 8 26 3 | 60 watt 100 watt 200 watt 300 watt 500 watt | <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 9.00 11.00 25.00 30.00 35.00 | 3,839.10 1.44 |

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††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita | |
|-----------------|------------|-----------------------|-------------------------------|-------------------------------|--|-----------------------|-------|
| | | | | \$ c. | \$ c. | \$ c. | |
| London..... | 73,173 | { 8 | 150 c.p. | s | 10.00 | 54,028.74 | †† |
| | | 1,920 | 150 c.p. | s | 11.00 | | |
| | | 103 | 400 c.p. | s | 18.00 | | |
| | | 301 | 400 c.p. | s | 24.00 | | |
| | | 32 | 600 c.p. | s | 28.00 | | |
| | | 273 | 600 c.p. | s | 30.00 | | |
| | | 2 | 50 watt | m | 2.50 | | |
| | | 75 | 100 watt | m | 10.00 | | |
| | | 12 | 200 watt | m | 9.34 | | |
| | | 47 | 200 watt | m | 14.00 | | |
| | | 43 | 200 watt | m | 18.00 | | |
| | | 488 | 300 watt | m | 18.00 | | |
| | | 36 | 300 watt | m | 20.00 | | |
| | | 11 | 500 watt | m | 25.00 | | |
| | | 68 | 500 watt | m | 40.00 | | |
| London Twp..... | { 68 | 100 watt | m | 12.00 | 832.50 | ** | |
| | | 1 | 200 watt | m | | | 16.50 |
| Long Branch... | 3,541 | { 36 | 100 watt | m | 950 | 3,413.27 | .96 |
| | | 232 | 100 watt | m | 13.00 | | |
| Lucan..... | 590 | 71 | 100 watt | m | 14.00 | 992.70 | 1.68 |
| Lucknow..... | 1,082 | 73 | 100 watt | m | 21.00 | 1,522.50 | 1.41 |
| Lynden..... | { 43 | 100 watt | m | 10.00 | 431.80 | ** | |
| | | | | | | | |
| Madoc..... | 1,059 | { 342 | 75 watt | m | 5.00 | 1,524.00 | 1.44 |
| | | 7 | 150 watt | m | 6.00 | | |
| | | 1 | 300 watt | m | 12.00 | | |
| Markdale..... | 774 | 90 | 150 c.p. | s | 10.00 | 900.00 | 1.16 |
| Markham..... | 1,073 | 113 | 100 watt | m | 12.00 | 1,356.00 | 1.26 |
| Marmora..... | 924 | { 44 | 75 watt | m | 15.00 | 1,448.00 | 1.58 |
| | | 24 | 100 watt | m | 17.00 | | |
| | | 19 | 150 watt | m | 20.00 | | |
| Martintown..... | { 15 | 100 watt | m | 20.00 | 300.00 | ** | |
| Maxville..... | 785 | 65 | 100 c.p. | s | 22.00 | 1,430.04 | 1.82 |
| Meaford..... | 2,707 | { 180 | 150 c.p. | s | 12.00 | 3,219.19 | 1.19 |
| | | 28 | 100 watt | m | 12.00 | | |
| | | 35 | 200 watt | m | 20.00 | | |
| Merlin..... | { 43 | 100 watt | m | 16.00 | 688.00 | ** | |
| Merritton..... | 2,544 | { 303 | 100 watt | m | 9.00 | 3,352.00 | 1.32 |
| | | 25 | 300 watt | m | 25.00 | | |
| Midland..... | 6,808 | { 326 | 100 c.p. | s | 10.00 | 6,175.84 | .91 |
| | | 52 | 100 watt | m | 10.00 | | |
| | | 30 | 300 watt | m | 22.00 | | |
| | | 36 | 500 watt | m | 40.00 | | |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|--------------------------|------------|---|--|---|--------------------------------------|-----------------|
| Mildmay..... | 694 | { 42 11 | 100 watt 150 watt | <i>m</i> <i>m</i> \$ c. 15.00 21.50 | \$ c. 659.56 | \$ c. .95 |
| Milton..... | 1,828 | { 204 3 | 100 watt 300 watt | <i>m</i> <i>m</i> 9.50 30.00 | 2,019.50 | 1.10 |
| Milverton..... | 1,004 | { 95 12 | 100 watt 200 watt | <i>m</i> <i>m</i> 9.00 12.00 | 999.00 | 1.00 |
| Mimico..... | 6,454 | { 330 91 47 | 100 watt 200 watt 300 watt | <i>m</i> <i>m</i> <i>m</i> 14.00 21.50 28.00 | 8,021.89 | 1.24 |
| Mitchell..... | 1,571 | 232 | 150 c.p. | <i>s</i> 9.00 | 2,088.00 | 1.33 |
| Moorefield..... | | 25 | 100 watt | <i>m</i> 15.00 | 375.00 | ** |
| Mount Brydges..... | | 50 | 100 watt | <i>m</i> 10.00 | 500.00 | ** |
| Mount Forest.. | 1,821 | { 117 14 35 | 150 c.p. 250 c.p. 100 watt | <i>s</i> <i>s</i> <i>m</i> 12.00 14.00 12.00 | 2,370.00 | 1.30 |
| Napanee..... | 3,014 | { 142 26 40 1 | 80 c.p. 250 c.p. 300 watt 1,000 watt | <i>s</i> <i>s</i> <i>m</i> <i>m</i> 16.00 37.00 32.00 63.00 | 4,473.94 | 1.48 |
| Neustadt..... | 465 | 39 | 150 c.p. | <i>s</i> 25.00 | 975.00 | 2.10 |
| Newbury..... | 267 | 48 | 100 watt | <i>m</i> 15.00 | 720.00 | 2.70 |
| New Hamburg. | 1,426 | { 163 61 | 100 watt 200 watt | <i>m</i> <i>m</i> 9.00 12.00 | 2,258.75 | 1.58 |
| New Toronto.. | 7,280 | { 221 17 15 28 14 131 3 | 75 watt 150 watt 200 watt 300 watt 300 watt 500 watt Intersection lights | <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 15.00 18.00 19.00 22.00 27.00 30.00 28.00 | 8,913.96 | 1.22 |
| Niagara Falls.. | 18,507 | { 805 2 234 197 4 | 100 c.p. 250 c.p. 600 c.p. 1,000 c.p. 100 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> 11.00 13.00 40.00 45.00 11.00 | 28,392.66 | 1.53 |
| Niagara-on-the Lake..... | 1,672 | { 219 25 | 100 watt 200 watt | <i>m</i> <i>m</i> 11.00 18.00 | 2,833.31 | 1.66 |
| Nipigon..... | | 34 | 100 watt | <i>m</i> 15.00 | 510.00 | ** |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|------------------------|------------|-----------------------|-------------------------------|-------------------------------|--|-----------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| North York Twp..... | | { 81 | 100 watt | <i>m</i> 12.00 | 3,675.61 | ** |
| | | { 20 | 100 watt | <i>m</i> 13.00 | | |
| | | { 32 | 100 watt | <i>m</i> 13.50 | | |
| | | { 12 | 100 watt | <i>m</i> 15.00 | | |
| | | { 10 | 100 watt | <i>m</i> 16.50 | | |
| | | { 65 | 200 watt | <i>m</i> 23.00 | | |
| | | { 1 | 400 w. Fl. light | <i>m</i> 31.00 | | |
| | | { 2 | 1,000 w. Fl light | <i>m</i> 65.00 | | |
| | | { 1 | Safety Lamp | 8.00 | | |
| | | { 1 | Safety Lamp | 30.00 | | |
| | | { 1 | Police Sign | 12.00 | | |
| Norwich..... | 1,126 | { 114 | 100 watt | <i>m</i> 10.00 | 2,120.00 | 1.97 |
| | | { 28 | 400 watt | <i>m</i> 35.00 | | |
| Norwood..... | 727 | { 78 | 100 c.p. | <i>s</i> 18.00 | 1,578.00 | 2.17 |
| | | { 6 | 100 c.p. | <i>s</i> 20.00 | | |
| | | { 1 | 100 c.p. | <i>s</i> 27.00 | | |
| Oil Springs.... | 433 | { 40 | 100 watt | <i>m</i> 18.00 | 750.00 | 1.73 |
| | | { 1 | 300 watt | <i>m</i> 60.00 | | |
| Omeme..... | 498 | { 46 | 80 c.p. | <i>s</i> 14.00 | 924.00 | 1.86 |
| | | { 2 | 100 watt | <i>m</i> 12.50 | | |
| | | { 10 | 250 watt | <i>m</i> 28.00 | | |
| Orangeville.... | 2,785 | { 48 | 250 c.p. | <i>s</i> 20.00 | 3,760.20 | 1.35 |
| | | { 99 | 150 c.p. | <i>s</i> 15.00 | | |
| | | { 38 | 300 watt | <i>m</i> 35.00 | | |
| Oshawa..... | 23,002 | { 834 | 100 c.p. | <i>s</i> 10.00 | 10,573.28 | .46 |
| | | { 1 | 1,000 c.p. | <i>s</i> 27.00 | | |
| | | { 40 | 100 watt | <i>m</i> 11.00 | | |
| | | { 109 | 150 watt | <i>m</i> 12.00 | | |
| | | { 30 | 200 watt | <i>m</i> 16.00 | | |
| Ottawa..... | 130,672 | { 618 | 100 c.p. | <i>s</i> 6.00 | 72,933.23 | .56 |
| | | { 389 | 100 c.p. | <i>s</i> 7.00 | | |
| | | { 789 | 400 c.p. | <i>s</i> 25.00 | | |
| | | { 813 | 600 c.p. | <i>s</i> 35.00 | | |
| | | { 59 | Arc Lights | <i>m</i> 45.00 | | |
| Otterville..... | | { 2,940 | 100 watt | <i>m</i> 48c. per ft.) | 780.51 | ** |
| | | { 54 | 100 watt | <i>m</i> 11.00 | | |
| | | { 12 | 200 watt | <i>m</i> 16.00 | | |
| Owen Sound... | 12,803 | { 433 | 100 c.p. | <i>s</i> 11.00 | 11,181.23 | .87 |
| | | { 339 | 250 c.p. | <i>s</i> 14.00 | | |
| | | { 12 | 400 c.p. | <i>s</i> 21.00 | | |
| | | { 39 | 500 c.p. | <i>s</i> 35.00 | | |
| Paisley..... | 732 | 88 | 100 watt | <i>m</i> 16.00 | 1,408.00 | 1.92 |

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------------|------------|-----------------------|-------------------------------|-------------------------------|--|-----------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| Palmerston | 1,617 | { 95 | 80 c.p. | <i>s</i> 9.00 | 1,738.98 | 1.08 |
| | | { 7 | 100 c.p. | <i>s</i> 10.00 | | |
| | | { 4 | 250 c.p. | <i>s</i> 25.00 | | |
| | | { 1 | 40 watt | <i>m</i> 9.00 | | |
| | | { 10 | 60 watt | <i>m</i> 9.00 | | |
| | | { 2 | 100 watt | <i>m</i> 10.00 | | |
| | | { 14 | 150 watt | <i>m</i> 10.00 | | |
| | | { 2 | 250 watt | <i>m</i> 25.00 | | |
| | | { 15 | 300 watt | <i>m</i> 25.00 | | |
| Paris | 4,330 | { 1 | 500 watt | <i>m</i> 35.00 | 5,838.90 | 1.35 |
| | | { 466 | 100 c.p. | <i>s</i> 9.00 | | |
| | | { 10 | 400 c.p. | <i>s</i> 32.00 | | |
| | | { 25 | 500 c.p. | <i>s</i> 40.00 | | |
| | | { 2 | 60 watt | <i>m</i> 7.00 | | |
| | | { 2 | 100 watt | <i>m</i> 9.00 | | |
| Parkhill | 998 | { 6 | 500 watt | <i>m</i> 35.00 | 1,437.00 | 1.44 |
| | | { 2 | 500 watt | <i>m</i> 40.00 | | |
| Penetanguishene | 4,046 | { 78 | 100 watt | <i>m</i> 14.00 | 2,149.00 | .53 |
| | | { 15 | 200 watt | <i>m</i> 23.00 | | |
| | | { 184 | 100 watt | <i>m</i> 11.00 | | |
| Perth | 3,994 | { 3 | 200 watt | <i>m</i> 15.00 | 2,066.00 | .52 |
| | | { 4 | 300 watt | <i>m</i> 20.00 | | |
| | | { 70 | 100 c.p. | <i>s</i> 15.00 | | |
| | | { 12 | 250 c.p. | <i>s</i> 25.00 | | |
| Peterborough . . | 22,809 | { 7 | 400 c.p. | <i>s</i> 28.00 | 19,518.00 | .86 |
| | | { 13 | 600 c.p. | <i>s</i> 40.00 | | |
| | | { 115 | 400 c.p. | <i>s</i> 43.00 | | |
| | | { 215 | 60 watt | <i>m</i> 9.00 | | |
| Petrolia | 2,569 | { 362 | 100 watt | <i>m</i> 10.00 | 2,652.00 | 1.03 |
| | | { 501 | 300 watt | <i>m</i> 18.00 | | |
| Picton | 3,217 | { 145 | 150 c.p. | <i>s</i> 12.00 | 4,364.04 | 1.36 |
| | | { 24 | 600 c.p. | <i>s</i> 38.00 | | |
| Plattsville | | { 222 | 100 c.p. | <i>s</i> 12.00 | 442.00 | ** |
| | | { 85 | 250 c.p. | <i>s</i> 20.00 | | |
| Point Edward . . | 1,211 | { 34 | 100 watt | <i>m</i> 13.00 | 1,553.66 | 1.28 |
| | | { 99 | 150 c.p. | <i>s</i> 13.00 | | |
| | | { 15 | 250 c.p. | <i>s</i> 20.00 | | |
| Port Arthur . . . | 19,749 | { 2,709 | 100 watt | <i>m</i> 5.00 | 18,984.96 | .96 |
| | | { 232 | 300 watt | <i>m</i> 10.00 | | |
| | | { 208 | 500 watt | <i>m</i> 15.00 | | |
| Port Colborne . . | 6,006 | { 15 | 400 c.p. | <i>s</i> 23.00 | 7,825.80 | †† |
| | | { 78 | 600 c.p. | <i>s</i> 25.00 | | |
| | | { 127 | 100 watt | <i>m</i> 12.00 | | |
| | | { 34 | 100 watt | <i>m</i> 14.00 | | |
| | | { 232 | 200 watt | <i>m</i> 18.00 | | |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|------------------|------------|-----------------------------|--|--|---|--|-----------------------|
| Port Credit.... | 1,650 | 271 | 100 watt | <i>m</i> | \$ c. 10.00 | \$ c. 2,710.00 | \$ c. 1.64 |
| Port Dalhousie.. | 1,331 | { 128 2 | 100 watt 200 watt | <i>m</i> <i>m</i> | 12.50 15.00 | 1,630.00 | 1.22 |
| Port Dover.... | 1,680 | { 178 19 | 100 watt 300 watt | <i>m</i> <i>m</i> | 12.00 20.00 | 2,964.17 | 1.76 |
| Port Elgin..... | 1,230 | { 117 26 | 100 watt 200 watt | <i>m</i> <i>m</i> | 14.00 22.00 | 2,103.79 | 1.71 |
| Port Hope..... | 4,626 | 385 | 80 c.p. | <i>s</i> | 12.00 | 4,615.00 | 1.00 |
| Port McNicoll.. | 928 | { 47 17 | 100 watt 200 watt | <i>m</i> <i>m</i> | 12.50 20.00 | 927.50 | 1.00 |
| Port Perry..... | 1,130 | 100 | 100 watt | <i>m</i> | 15.00 | 1,500.00 | .... |
| Port Rowan... | 674 | 53 | 100 watt | <i>m</i> | 24.00 | 1,242.00 | 1.84 |
| Port Stanley... | 723 | 182 | 100 watt | <i>m</i> | 11.00 | 2,003.16 | 2.77 |
| Prescott..... | 2,952 | { 169 105 | 100 watt 100 w. 2-Lt.Std. | <i>m</i> <i>m</i> | 10.00 17.00 | 3,475.00 | 1.18 |
| Preston..... | 6,138 | { 345 9 40 6 | 150 c.p. 250 watt 500 watt 5-Lt. Stds. | <i>s</i> <i>m</i> <i>m</i> | 10.00 18.00 30.00 30.00 | 4,986.96 | .81 |
| Priceville..... | | 14 | 100 watt | <i>m</i> | 40.00 | 560.00 | ** |
| Princeton..... | | 37 | 100 watt | <i>m</i> | 13.00 | 481.00 | ** |
| Queenston..... | | 36 | 100 watt | <i>m</i> | 16.00 | 456.10 | ** |
| Richmond..... | 381 | 25 | 100 watt | <i>m</i> | 20.00 | 500.00 | 1.31 |
| Richmond Hill.. | 1,270 | { 99 17 6 | 75 watt 100 watt 200 watt | <i>m</i> <i>m</i> <i>m</i> | 11.00 12.00 16.00 | 1,389.00 | 1.09 |
| Ridgetown..... | 1,942 | { 186 1 73 2 19 | 150 c.p. 1,000 c.p. 100 watt 200 watt 500 watt | <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> | 9.00 40.00 9.00 30.00 36.00 | 3,115.00 | †† |
| Ripley..... | 451 | { 43 6 | 100 watt 200 watt | <i>m</i> <i>m</i> | 24.00 39.00 | 1,266.00 | 2.81 |
| Riverside..... | 5,125 | { 95 24 | 100 watt 150 watt | <i>m</i> <i>m</i> | 11.00 14.50 | 2,919.72 | †† |
| Rockwood..... | | 85 | 100 watt | <i>m</i> | 9.00 | 765.00 | ** |

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††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|------------------|------------|---|--|--|---|--|-----------------------|
| Rodney..... | 757 | { 78 14 | 100 watt 200 watt | <i>m</i> <i>m</i> | \$ c. 10.00 18.00 | \$ c. 1,032.02 | \$ c. 1.36 |
| Rosseau..... | 251 | 35 | 100 watt | <i>m</i> | 35.42 | 1,240.00 | 4.94 |
| Russell..... | | 46 | 100 watt | <i>m</i> | 16.00 | 736.00 | ** |
| St. Catharines.. | 26,192 | 2,695 | 100 watt | <i>m</i> | 7.50 | 20,524.24 | †† |
| St. George..... | | 39 | 100 watt | <i>m</i> | 9.50 | 370.50 | ** |
| St. Jacobs..... | | 46 | 100 watt | <i>m</i> | 10.00 | 460.00 | ** |
| St. Marys..... | 4,016 | { 224 105 20 32 | 100 c.p. 250 c.p. 150 watt 300 watt | <i>s</i> <i>s</i> <i>m</i> <i>m</i> | 9.00 14.00 9.00 14.00 | 4,096.75 | 1.02 |
| St. Thomas.... | 16,275 | { 1,065 28 1 114 6 22 | 100 c.p. 250 c.p. 600 c.p. 600 c.p. 60 watt 300 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> | 9.00 13.00 32.00 34.00 4.50 22.00 | 14,604.46 | †† |
| *Sandwich..... | 11,017 | { 272 303 71 31 10 33 | 100 c.p. 100 c.p. 400 c.p. 400 c.p. 100 watt 200 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> | 12.00 13.00 26.00 28.00 12.00 21.00 | 9,874.46 | †† |
| Sarnia..... | 17,801 | { 1,024 56 65 79 13 3 8 14 | 150 c.p. 250 c.p. 400 c.p. 600 c.p. 600 c.p. 100 watt 150 watt 300 watt | <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> | 12.00 16.50 22.00 35.00 45.00 12.00 16.50 32.00 | 18,456.98 | †† |
| Scarboro Twp.. | | { 10 216 2 19 2 25 409 7 10 154 153 | 80 c.p. 80 c.p. 150 c.p. 40 watt 60 watt 100 watt 100 watt 200 watt 200 watt 300 watt 300 watt | <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 9.00 12.00 17.00 12.00 18.00 9.00 12.00 17.00 21.00 14.50 24.00 | 14,911.65 | ** |
| Seaforth..... | 1,692 | { 65 58 20 | 80 c.p. 100 c.p. 300 watt | <i>s</i> <i>s</i> <i>m</i> | 10.00 11.00 25.00 | 1,788.00 | 1.06 |

**Population not shown in Government statistics.

s Series system.

m Multiple system.

††Part cost paid direct in the form of debenture charges.

*11 months' operation.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-------------------|------------|-----------------|-------------------------------|-------------------------|--------------------------------------|-----------------|
| Shelburne..... | 1,064 | 96 | 100 watt <i>m</i> | \$ c. 10. 00 | \$ c. 960. 00 | \$ c. .90 |
| Simcoe..... | 5,397 | { 272 | 100 c.p. <i>s</i> | 11. 00 | 4,527.48 | †† |
| | | { 27 | 1,000 c.p. <i>s</i> | 40. 00 | | |
| | | { 7 | 150 watt <i>m</i> | 11. 00 | | |
| | | { 8 | 200 watt <i>m</i> | 15. 00 | | |
| | | { 6 | 200 watt <i>m</i> | 24. 00 | | |
| | | { 2 | 500 watt <i>m</i> | 53. 00 | | |
| Smiths Falls... | 7,501 | { 1 | 1,000 watt <i>m</i> | 60. 00 | 8,342.30 | 1.11 |
| | | { 18 | 60 watt <i>m</i> | 9. 50 | | |
| | | { 105 | 100 watt <i>m</i> | 18. 00 | | |
| | | { 1 | 200 watt <i>m</i> | 25. 00 | | |
| Southampton.. | 1,520 | { 254 | 300 watt <i>m</i> | 25. 00 | 2,106.92 | 1.39 |
| | | { 39 | 60 watt, Beach Lamps <i>m</i> | 12. 00 | | |
| | | { 104 | 100 watt <i>m</i> | 13. 00 | | |
| | | { 30 | 250 watt <i>m</i> | 21. 00 | | |
| Springfield..... | 379 | 50 | Decorative Lights | 36. 00 | 550.00 | 1.45 |
| Stamford Twp..... | | 848 | 100 watt <i>m</i> | 11. 00 | 7,914.64 | ** |
| Stayner..... | 1,042 | { 75 | 150 c.p. <i>s</i> | 12. 00 | 1,224.00 | 1.17 |
| | | { 18 | 200 watt <i>m</i> | 18. 00 | | |
| Stirling..... | 865 | 120 | 100 c.p. <i>s</i> | 12. 00 | 1,433.00 | 1.66 |
| Stouffville..... | 1,105 | 124 | 100 watt <i>m</i> | 14. 00 | 1,764.00 | 1.60 |
| Stratford..... | 18,869 | { 861 | 100 c.p. <i>s</i> | 10. 00 | 16,539.00 | .88 |
| | | { 74 | 600 c.p. <i>s</i> | 25. 00 | | |
| | | { 116 | 600 c.p. <i>s</i> | 30. 00 | | |
| | | { 6 | 600 c.p. <i>s</i> | 35. 00 | | |
| | | { 62 | 1,000 c.p. <i>s</i> | 34. 00 | | |
| | | { 4 | 100 watt <i>m</i> | 10. 00 | | |
| | | { 4 | 500 watt <i>m</i> | 34. 00 | | |
| Strathroy..... | 2,879 | { 298 | 100 c.p. <i>s</i> | 9. 00 | 4,075.71 | 1.42 |
| | | { 21 | 250 c.p. <i>s</i> | 15. 00 | | |
| | | { 34 | 300 watt <i>m</i> | 31. 00 | | |
| Sunderland..... | | { 29 | 100 watt <i>m</i> | 20. 00 | 706.67 | ** |
| | | { 4 | 500 watt <i>m</i> | 35. 00 | | |
| Sutton..... | 809 | { 117 | 100 watt <i>m</i> | 13. 00 | 1,861.00 | 2.30 |
| | | { 15 | 200 watt <i>m</i> | 17. 00 | | |
| | | { 16 | 100 w. strings <i>m</i> | 13. 00 | | |
| Tara..... | 491 | 70 | 100 watt <i>m</i> | 18. 00 | 1,260.00 | 2.57 |
| Tavistock..... | 1,042 | { 78 | 100 watt <i>m</i> | 10. 00 | 1,212.00 | 1.16 |
| | | { 36 | 200 watt <i>m</i> | 12. 00 | | |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------|------------|--|--|--|---|--|-----------------------|
| Tecumseh..... | 2,546 | { 8 60 | 400 c.p. 100 watt | <i>s</i> <i>m</i> | \$ c. 21.00 12.00 | \$ c. 960.00 | \$ c. †† |
| Teeswater..... | 805 | { 38 20 | 150 c.p. 400 c.p. | <i>s</i> <i>s</i> | 19.00 34.00 | 1,402.00 | 1.74 |
| Thamesford..... | | 47 | 100 watt | <i>m</i> | 11.00 | 517.00 | ** |
| Thamesville.... | 754 | { 67 33 7 | 100 watt 200 watt 200 watt | <i>m</i> <i>m</i> <i>m</i> | 9.00 14.00 18.00 | 1,191.00 | 1.57 |
| Thedford..... | 577 | 69 | 100 watt | <i>m</i> | 15.00 | 1,035.00 | 1.79 |
| Thorndale..... | | 32 | 100 watt | <i>m</i> | 12.00 | 384.00 | ** |
| Thornton..... | | 22 | 100 watt | <i>m</i> | 40.00 | 880.00 | ** |
| Thorold..... | 5,068 | { 382 40 28 2 | 75 watt 100 watt 200 watt 300 watt | <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 7.50 8.00 12.00 15.00 | 3,551.00 | .70 |
| Tilbury..... | 1,996 | { 100 25 | 100 watt 200 watt | <i>m</i> <i>m</i> | 11.00 19.50 | 1,580.22 | .79 |
| Tillsonburg.... | 3,351 | { 264 1 8 44 | 100 c.p. 250 c.p. 300 watt 500 watt | <i>s</i> <i>s</i> <i>m</i> <i>m</i> | 8.50 13.00 32.00 42.00 | 4,336.51 | 1.29 |
| Toronto..... | 626,674 | { 46,327 3,090 67 1,408 153 5 364 391 68 75 | 100 watt 200 watt 250 watt 300 watt 500 watt 1,000 watt 100 w. 5-lt. stds. 300 w. 1-lt. stds. 500 w. 1-lt. stds. 500 w. 1-lt. stds. | <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | 8.00-10.00 18.00-23.00 20.00 28.00-30.00 45.00 90.00 47.50 50.00 47.50 52.50 | 531,411.66 | .85 |
| Toronto Twp.... | | { 411 1 | 100 watt Intersection Lt. | <i>m</i> | 12.00 43.00 | 4,975.20 | ** |
| Tottenham.... | 546 | 49 | 150 c.p. | <i>s</i> | 25.00 | 1,225.08 | 2.24 |
| Trenton..... | 6,331 | { 49 309 1 | 600 c.p. 100 watt 500 watt | <i>s</i> <i>m</i> <i>m</i> | 75.00 14.00 75.00 | 8,076.00 | 1.28 |
| Tweed..... | 1,247 | 125 | 100 c.p. | <i>s</i> | 15.00 | 1,886.25 | 1.51 |
| Uxbridge..... | 1,506 | { 129 5 1 | 100 watt 100 w. Pk. Lts. 200 watt | <i>m</i> <i>m</i> <i>m</i> | 13.00 10.00 16.00 | 1,743.00 | 1.16 |

**Population not shown in Government statistics. *s* Series system.

††Part cost paid direct in the form of debenture charges.

m Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-----------------|------------|--|--|---|---|--|-----------------------|
| Victoria Harbor | 1,171 | 78 | 100 watt | <i>m</i> | \$ c. 9.00 | \$ c. 702.00 | \$ c. .60 |
| Walkerton..... | 2,340 | { 1 114 38 | { 75 c.p. 150 c.p. 300 c.p. | { <i>s</i> <i>s</i> <i>s</i> | { 6.00 12.50 24.50 | 2,369.55 | 1.01 |
| Walkerville.... | 10,681 | { 33 138 332 63 110 | { 600 c.p. 100 watt 150 watt 200 watt 300 watt | { <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | { 45.00 8.00 11.00 13.00 18.00 | 11,739.96 | †† |
| Wallaceburg... | 4,343 | { 186 12 50 | { 150 c.p. 400 c.p. 300 watt | { <i>s</i> <i>s</i> <i>m</i> | { 12.00 22.00 33.00 | 4,167.00 | .96 |
| Wardsville..... | 214 | 35 | 75 watt | <i>m</i> | 20.00 | 700.00 | 3.27 |
| Warkworth..... | | { 34 2 | { 100 watt 200 watt | { <i>m</i> <i>m</i> | { 18.00 30.00 | 643.75 | ** |
| Waterdown.... | 924 | { 74 5 | { 100 watt 200 watt | { <i>m</i> <i>m</i> | { 11.00 17.50 | 901.50 | .97 |
| Waterford..... | 1,168 | { 157 9 3 | { 100 watt 200 watt 500 watt | { <i>m</i> <i>m</i> <i>m</i> | { 8.00 20.00 35.00 | 1,608.00 | 1.38 |
| Waterloo..... | 8,563 | { 339 120 91 5 18 3 9 10 44 | { 80 c.p. 100 c.p. 150 watt 200 watt 300 watt 500 watt 500 watt 3-Lt. Stds. 5-Lt. Stds. | { <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | { 8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00 | 7,499.04 | .88 |
| Watford..... | 956 | { 90 11 | { 100 watt 200 watt | { <i>m</i> <i>m</i> | { 12.50 20.00 | 1,344.96 | 1.41 |
| Waubashene..... | | 45 | 100 watt | <i>m</i> | 9.00 | 405.00 | ** |
| Welland..... | 10,668 | { 178 420 30 12 4 | { 400 c.p. 100 watt 200 watt 300 watt 500 watt | { <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> | { 30.00 11.00 18.00 30.00 28.00 | 10,559.01 | †† |
| Wellesley..... | | 60 | 100 watt | <i>m</i> | 12.00 | 720.00 | ** |
| Wellington.... | 900 | { 46 32 | { 100 c.p. 150 c.p. | { <i>s</i> <i>s</i> | { 12.00 19.00 | 1,160.04 | 1.29 |
| est Lorne.... | 814 | { 83 10 | { 100 watt 200 watt | { <i>m</i> <i>m</i> | { 10.00 18.00 | 1,010.00 | 1.24 |

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part cost paid direct in the form of debenture charges.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1933, showing
Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

| Municipality | Population | Number of lamps | Size and style of lamps | Rate per lamp per annum | Total cost to municipality per annum | Cost per capita |
|-------------------|------------|-----------------------|-------------------------------|-------------------------------|--|-----------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| Weston..... | 4,736 | { 456 | 100 c.p. s | 7.50 | 7,610.13 | 1.61 |
| | | { 2 | 250 c.p. s | 10.00 | | |
| | | { 113 | 600 c.p. s | 30.00 | | |
| | | { 20 | 300 watt m | 11.00 | | |
| | | { 5 | 5-Lt. Stds. m | 21.00 | | |
| | | { 2 | Electric Signs m | 110.00 | | |
| Westport..... | 733 | 60 | 100 watt m | 28.00 | 1,705.00 | 2.33 |
| Wheatley..... | 724 | { 62 | 100 watt m | 12.00 | 1,355.25 | 1.87 |
| | | { 37 | 150 watt m | 15.00 | | |
| Whitby..... | 5,294 | { 126 | 80 c.p. s | 10.00 | 3,716.43 | .70 |
| | | { 66 | 100 c.p. s | 11.00 | | |
| | | { 163 | 100 watt m | 8.50 | | |
| | | { 3 | 500 watt m | 12.50 | | |
| Warton..... | 1,911 | { 100 | 100 watt m | 16.00 | 2,300.00 | 1.20 |
| | | { 25 | 200 watt m | 28.00 | | |
| Williamsburg..... | | 16 | 100 watt m | 12.00 | 192.00 | ** |
| Winchester.... | 963 | 118 | 100 watt m | 9.00 | 1,062.00 | 1.10 |
| Windermere... | 135 | 13 | 100 watt m | 35.00 | 455.00 | 3.37 |
| Windsor..... | 65,565 | { 2,902 | 100 c.p. s | 11.50 | 76,109.88 | †† |
| | | { 11 | 250 c.p. s | 17.50 | | |
| | | { 976 | 400 c.p. s | 27.50 | | |
| | | { 703 | 600 c.p. s | 36.00 | | |
| | | { 66 | 1,000 c.p. s | 46.00 | | |
| Wingham..... | 1,842 | { 101 | 100 c.p. s | 19.00 | 3,423.00 | 1.86 |
| | | { 25 | 200 c.p. s | 32.00 | | |
| | | { 22 | 200 watt m | 32.00 | | |
| Woodbridge... | 744 | 90 | 100 watt m | 10.00 | 900.00 | 1.21 |
| Woodstock.... | 10,956 | { 536 | 100 c.p. s | 8.00 | 8,013.40 | .73 |
| | | { 13 | 250 c.p. s | 20.00 | | |
| | | { 90 | 75 watt m | 8.00 | | |
| | | { 25 | 150 watt m | 12.00 | | |
| | | { 75 | 300 watt m | 32.00 | | |
| | | { 1 | 250 w. Floodlight | 12.00 | | |
| Woodville..... | 414 | { 36 | 100 watt m | 12.00 | 532.00 | 1.28 |
| | | { 5 | 200 watt m | 20.00 | | |
| Wyoming..... | 482 | 51 | 100 watt m | 15.00 | 765.00 | 1.59 |
| Zurich..... | | 63 | 100 watt m | 11.00 | 693.00 | ** |

**Population not shown in Government statistics. s Series system. m Multiple system.
††Part cost paid direct in the form of debenture charges.

STATEMENT "D"

(pages 406 to 423)

Statistics Relating to the Supply of Electrical Energy to Consumers
by Individual Ontario Municipalities Served by the
Hydro-Electric Power Commission
for the year 1933

STATEMENT "E"

(pages 424 to 439)

Cost of Power to Municipalities and Rates to Consumers for Domestic
Service — Commercial Light Service — Power Service in
Ontario Urban Municipalities Served by the
Hydro-Electric Power Commission
for the year 1933

STATEMENT "D"

**Statistics Relating to the Supply of Electrical Energy to
Consumers in Ontario Municipalities Served by
The Hydro-Electric Power Commission**

The following tabulation of various statistical data relating to the supply of electrical energy to consumers by individual municipalities receiving power at cost from the Commission sets forth, regarding the results of operation from the standpoint of the consumers, much useful and interesting information.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or of the smallness of the quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D," respecting the average cost to the consumer. It will be observed that the total amount of the energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D," and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 40 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

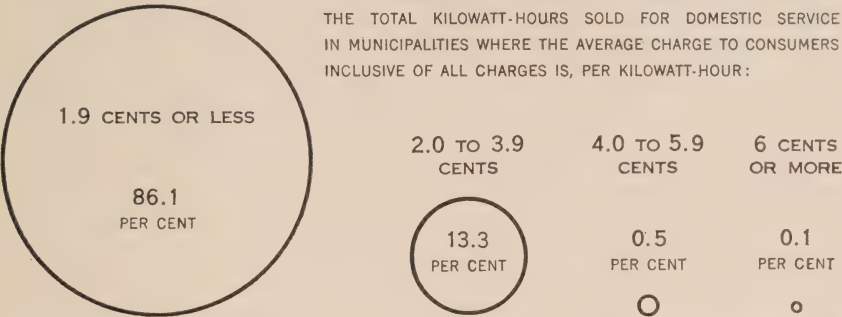
It should be kept in mind that the revenues reported in Statement "D," and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and included, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should specially be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give very misleading results. The average costs per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are simply statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

COST OF ELECTRICAL SERVICE
IN MUNICIPALITIES SERVED BY THE
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

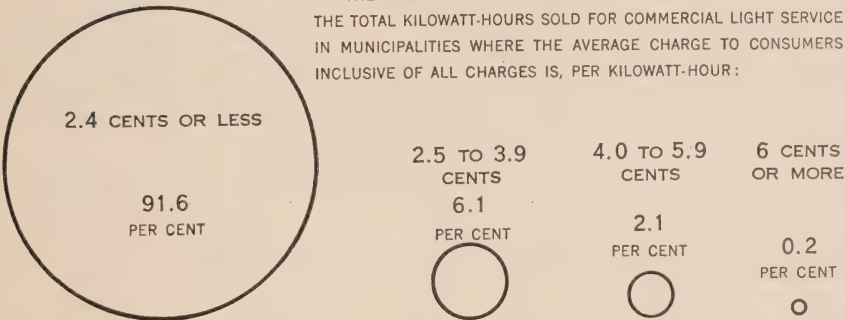
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



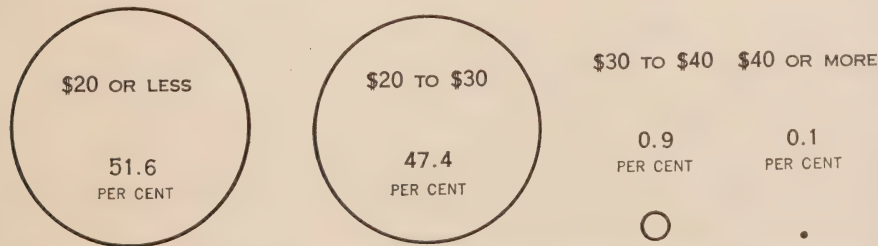
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances will be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 100 per cent. Such variations are principally due to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour, to the consumer, and *vice versa*.*

*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service, and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community, a lower "average revenue per kilowatt-hour." This will readily be perceived from a simple arithmetical example.

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

| Class of service | CASE A Higher rates and lower revenues per kilowatt-hour | | | CASE B Lower rates and higher revenues per kilowatt-hour | | |
|-------------------|--|-----------------|---------|--|-----------------|---------|
| | Energy sales | Rate per kw-hr. | Revenue | Energy sales | Rate per kw-hr. | Revenue |
| | kw-hr. | cents | \$ | kw-hr. | cents | \$ |
| Residence..... | 1,000,000 | .4 | 40,000 | 3,000,000 | 3 | 90,000 |
| Power..... | 9,000,000 | 1 | 90,000 | 7,000,000 | 0.75 | 52,500 |
| Total..... | 10,000,000 | ..... | 130,000 | 10,000,000 | ..... | 142,500 |
| Average revenue.. | 1.3 cents per kw-hr. | | | 1.425 cents per kw-hr. | | |

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the key to the situation lies in the relative quantities of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil an important function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made economically possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for effecting comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons— and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E," or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively, of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the ultimate consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations and the approximate transmission distances from the nearest of the generating stations supplying the system, are also given.

A feature of the electrical service in Ontario municipalities served by the Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are in all about 204 Ontario municipalities where the average annual consumption per domestic consumer is in excess of 600 kilowatt-hours. Of the 84 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 55 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 24 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 12 has an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing electrical service "at cost"; the rate schedules scientifically designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 when he obtains the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario.

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group I—CITIES

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|-------------------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|-------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw.-hr. |
| | | | miles | \$ c. | kw.-hr. | | kw.-hr. | \$ c. | cts. |
| Belleville..... | E.O. | 14,059 | 13 | 76,682.94 | 4,480,695 | 3,004 | 124 | 2.13 | 1.7 |
| Brantford..... | Nia. | 30,724 | 79 | 184,129.33 | 12,549,426 | 7,384 | 142 | 2.08 | 1.5 |
| Chatham..... | Nia. | 16,223 | 193 | 79,868.02 | 3,954,467 | 3,730 | 88 | 1.79 | 2.0 |
| East Windsor..... | Nia. | 14,333 | 239 | 74,849.48 | 3,858,334 | 2,971 | 108 | 2.09 | 1.9 |
| Fort William..... | T.B. | 25,188 | 87 | 200,550.28 | 26,241,835 | 5,260 | 416 | 3.18 | 0.8 |
| Galt..... | Nia. | 14,036 | 92 | 103,490.42 | 5,239,609 | 3,584 | 122 | 2.41 | 2.0 |
| Guelph..... | Nia. | 20,754 | 75 | 103,446.51 | 5,951,356 | 5,008 | 99 | 1.72 | 1.7 |
| Hamilton..... | Nia. | 154,701 | 53 | 896,836.05 | 62,018,805 | 36,990 | 140 | 2.02 | 1.4 |
| Kingston..... | E.O. | 23,260 | 50 | 108,782.64 | 6,206,555 | 5,620 | 92 | 1.61 | 1.7 |
| Kitchener..... | Nia. | 31,443 | 95 | 193,447.44 | 12,000,857 | 7,117 | 141 | 2.26 | 1.6 |
| London..... | Nia. | 73,173 | 123 | 492,592.98 | 38,451,962 | 16,367 | 196 | 2.50 | 1.3 |
| Niagara Falls..... | Nia. | 18,507 | 1 | 138,423.29 | 10,682,660 | 4,329 | 205 | 2.66 | 1.3 |
| Oshawa..... | E.O. | 23,002 | 75 | 148,818.93 | 6,271,340 | 5,878 | 89 | 2.11 | 2.4 |
| Ottawa..... | E.O. | 130,672 | 1 | 421,647.54 | 46,682,599 | 12,491 | 311 | 2.81 | 0.9 |
| Owen Sound..... | G.B. | 12,803 | 32 | 60,161.55 | 3,251,412 | 3,257 | 83 | 1.54 | 1.8 |
| Peterborough..... | E.O. | 22,809 | 2 | 117,648.00 | 6,759,207 | 5,274 | 107 | 1.86 | 1.7 |
| Port Arthur..... | T.B. | 19,749 | 73 | 107,395.49 | 9,033,064 | 4,053 | 186 | 2.21 | 1.2 |
| St. Catharines..... | Nia. | 26,192 | 18 | 144,062.04 | 10,889,306 | 6,361 | 142 | 1.88 | 1.3 |
| St. Thomas..... | Nia. | 16,275 | 134 | 107,077.52 | 7,446,821 | 3,999 | 155 | 2.23 | 1.4 |
| Sarnia..... | Nia. | 17,801 | 205 | 104,443.09 | 5,272,151 | 4,546 | 97 | 1.91 | 2.0 |
| Stratford..... | Nia. | 18,869 | 119 | 146,586.63 | 8,598,840 | 4,293 | 167 | 2.85 | 1.7 |
| Toronto..... | Nia. | 626,674 | 78 | 3,716,238.53 | 257,462,995 | 155,397 | 138 | 1.99 | 1.4 |
| Toronto D.C. and 60 cycle* | | | | 30,882.64 | 1,024,849 | 473 | 181 | 5.44 | 3.0 |
| Welland..... | Nia. | 10,668 | 14 | 49,514.12 | 2,854,317 | 2,271 | 104 | 1.81 | 1.7 |
| Windsor..... | Nia. | 65,565 | 238 | 503,381.88 | 28,919,146 | 14,605 | 165 | 2.87 | 1.7 |
| Woodstock..... | Nia. | 10,956 | 94 | 72,772.34 | 4,792,730 | 2,904 | 137 | 2.08 | 1.5 |

*This,—with the exception of a relatively small D.C. power load,—is a special service not created by the Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include Street Railway power.

Group II—TOWNS

| | | | miles | | | | | | |
|---------------------|------|-------|-------|-----------|-----------|-------|---------|-------|------|
| | | | | \$ c. | kw.-hr. | | kw.-hr. | \$ c. | cts. |
| Alexandria..... | E.O. | 2,340 | 30 | 7,390.51 | 142,505 | 295 | 40 | 2.06 | 5.2 |
| Amherstburg..... | Nia. | 3,086 | 257 | 19,006.20 | 941,411 | 586 | 134 | 2.70 | 2.0 |
| Barrie..... | G.B. | 7,455 | 48 | 52,465.38 | 2,842,145 | 2,011 | 118 | 2.17 | 1.8 |
| Bowmanville..... | E.O. | 3,641 | 66 | 30,135.04 | 909,815 | 1,045 | 73 | 2.40 | 3.3 |
| Brampton..... | Nia. | 5,413 | 78 | 36,818.92 | 2,446,795 | 1,369 | 149 | 2.24 | 1.5 |
| Brockville..... | E.O. | 9,615 | 62 | 45,903.86 | 2,551,564 | 2,541 | 84 | 1.50 | 1.8 |
| Carleton Place..... | E.O. | 4,272 | 47 | 18,946.89 | 580,718 | 938 | 51 | 1.68 | 3.3 |
| Cobourg..... | E.O. | 5,619 | 36 | 30,913.56 | 1,171,334 | 1,114 | 80 | 2.31 | 2.6 |
| Collingwood..... | G.B. | 5,788 | 24 | 26,122.58 | 1,351,188 | 1,420 | 79 | 1.53 | 1.9 |
| Dundas..... | Nia. | 5,138 | 52 | 20,753.93 | 1,135,186 | 1,219 | 78 | 1.42 | 1.8 |
| Dunnville..... | Nia. | 3,615 | 37 | 13,505.31 | 563,521 | 766 | 61 | 1.47 | 2.4 |
| Elmira..... | Nia. | 2,642 | 107 | 15,672.17 | 739,162 | 505 | 122 | 2.59 | 2.1 |

"D"

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

Population, 10,000 or more

| Commercial light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|-----------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 48,107.35 | 2,191,975 | 555 | 329 | 7.22 | 2.2 | 42,238.63 | 90 | 2,233.4 | 3,649 |
| 62,992.72 | 5,062,304 | 1,124 | 375 | 4.67 | 1.2 | †111,136.76 | 137 | 5,719.0 | 8,645 |
| 67,913.97 | 3,419,066 | 716 | 398 | 7.90 | 2.0 | 51,652.55 | 98 | 2,590.0 | 4,544 |
| 16,038.88 | 676,534 | 266 | 212 | 5.02 | 2.4 | 30,604.10 | 33 | 1,353.7 | 3,270 |
| 61,130.12 | 3,138,070 | 827 | 316 | 6.16 | 1.9 | 66,554.90 | 98 | 3,357.7 | 6,185 |
| 41,981.08 | 1,994,929 | 484 | 343 | 7.23 | 2.1 | 76,929.00 | 118 | 4,093.0 | 4,186 |
| 49,053.55 | 3,042,237 | 760 | 334 | 5.38 | 1.6 | 107,211.30 | 130 | 6,512.6 | 5,898 |
| 346,737.41 | 26,133,920 | 5,068 | 429 | 5.70 | 1.4 | 1,507,849.98 | 1,265 | 90,824.0 | 43,323 |
| 72,441.72 | 3,711,022 | 878 | 352 | 6.88 | 1.9 | 98,270.00 | 143 | 4,966.9 | 6,641 |
| 98,357.80 | 5,624,041 | 956 | 490 | 8.57 | 1.7 | 218,113.24 | 239 | 11,192.5 | 8,312 |
| 188,474.27 | 12,978,258 | 2,839 | 381 | 5.53 | 1.5 | 366,026.51 | 486 | 18,603.3 | 19,692 |
| 55,590.67 | 4,542,713 | 669 | 566 | 6.92 | 1.2 | 64,685.93 | 87 | 3,761.8 | 5,085 |
| 57,042.47 | 2,041,158 | 510 | 333 | 9.32 | 2.8 | 140,414.56 | 98 | 6,652.8 | 6,486 |
| 159,028.96 | 9,526,539 | 1,382 | 574 | 9.59 | 1.7 | 84,466.65 | 214 | 5,169.4 | 14,087 |
| 33,647.11 | 1,764,274 | 576 | 255 | 4.87 | 1.9 | 37,592.84 | 115 | 2,245.9 | 3,948 |
| 57,718.24 | 2,877,655 | 774 | 310 | 6.21 | 2.0 | 79,842.69 | 155 | 4,456.2 | 6,203 |
| 51,764.78 | 3,397,764 | 728 | 389 | 5.94 | 1.5 | 770,158.02 | 97 | 40,514.3 | 4,878 |
| 47,684.43 | 3,231,380 | 710 | 379 | 5.59 | 1.4 | 86,508.23 | 152 | 5,735.7 | 7,223 |
| 46,670.29 | 2,982,692 | 635 | 391 | 6.11 | 1.5 | 48,533.53 | 80 | 2,762.2 | 4,714 |
| 45,760.80 | 2,425,507 | 610 | 331 | 6.25 | 1.9 | 167,781.48 | 85 | 5,909.0 | 5,241 |
| 51,772.30 | 2,224,650 | 614 | 302 | 7.03 | 2.3 | 63,630.39 | 132 | 2,740.5 | 5,039 |
| 2,728,154.69 | 116,324,822 | 24,917 | 390 | 9.15 | 2.3 | 3,084,475.84 | 4,224 | 132,164.0 | 184,538 |
| 145,546.43 | 3,592,266 | 1,063 | 282 | 11.41 | 4.0 | 426,393.54 | 873 | 15,350.0 | 2,409 |
| 28,463.15 | 1,607,464 | 438 | 306 | 5.41 | 1.7 | 63,124.79 | 83 | 2,999.0 | 2,792 |
| 225,233.06 | 12,473,442 | 2,263 | 459 | 8.29 | 1.8 | 182,012.52 | 318 | 8,462.6 | 17,186 |
| 37,336.87 | 2,268,922 | 443 | 426 | 7.02 | 1.6 | 49,203.73 | 86 | 3,175.0 | 3,433 |

NOTE—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

†includes only 25-cycle data.

of Population 2,000 or more

| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
|-----------|-----------|-----|--------|-------|-------|-----------|----|---------|-------|
| 4,173.80 | 87,448 | 92 | 79 | 3.78 | 4.8 | 4,809.31 | 14 | 151.9 | 401 |
| 6,657.90 | 296,952 | 124 | 200 | 4.47 | 2.2 | 5,375.25 | 15 | 203.5 | 725 |
| 29,741.26 | 1,380,295 | 407 | 283 | 6.09 | 2.1 | 16,400.57 | 45 | 952.6 | 2,463 |
| 10,239.80 | 248,162 | 173 | 119 | 4.93 | 4.1 | 40,064.74 | 29 | 1,379.1 | 1,247 |
| 16,148.10 | 856,727 | 232 | 308 | 5.80 | 1.9 | 17,621.79 | 54 | 1,066.0 | 1,655 |
| 25,015.27 | 1,388,404 | 438 | 264 | 4.76 | 1.8 | 36,024.42 | 67 | 1,733.4 | 3,046 |
| 9,355.65 | 289,992 | 178 | 136 | 4.38 | 3.2 | 25,734.29 | 18 | 1,069.5 | 1,134 |
| 18,424.66 | 590,218 | 141 | 349 | 10.89 | 3.1 | 27,944.22 | 45 | 1,342.2 | 1,300 |
| 9,951.70 | 421,464 | 269 | 131 | 3.08 | 2.4 | 18,238.35 | 53 | 1,101.9 | 1,742 |
| 10,660.40 | 560,911 | 193 | 242 | 4.60 | 1.9 | 17,171.79 | 40 | 1,256.8 | 1,452 |
| 11,480.33 | 511,583 | 199 | 215 | 4.80 | 2.2 | 13,840.45 | 34 | 786.8 | 999 |
| 5,681.70 | 183,793 | 115 | 133 | 4.12 | 3.1 | 4,426.95 | 22 | 258.7 | 642 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group II—TOWNS

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|----------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | miles | \$ c. | kw-hr. | | kw-hr. | \$ c. | cts. |
| Fergus..... | Nia. | 2,559 | 94 | 15,720.00 | 580,509 | 618 | 78 | 2.12 | 2.7 |
| Georgetown..... | Nia. | 2,187 | 100 | 14,067.98 | 735,791 | 668 | 92 | 1.75 | 1.9 |
| Goderich..... | Nia. | 4,366 | 167 | 29,614.29 | 1,284,287 | 1,155 | 93 | 2.14 | 2.3 |
| Hanover..... | G.B. | 3,036 | 35 | 18,407.63 | 752,155 | 726 | 87 | 2.11 | 2.4 |
| Hespeler..... | Nia. | 2,784 | 90 | 18,265.53 | 800,474 | 700 | 97 | 2.17 | 2.3 |
| Humberstone..... | Nia. | 2,265 | 22 | 8,447.65 | 341,382 | 500 | 57 | 1.42 | 2.5 |
| Huntsville..... | G.B. | 2,507 | 26 | 10,973.86 | 446,295 | 556 | 67 | 1.64 | 2.4 |
| Ingersoll..... | Nia. | 5,296 | 104 | 31,581.32 | 1,845,302 | 1,265 | 121 | 2.08 | 1.7 |
| Kincardine..... | G.B. | 2,429 | 69 | 13,824.32 | 392,806 | 596 | 55 | 1.93 | 3.5 |
| Kingsville..... | Nia. | 2,286 | 255 | 14,073.03 | 579,214 | 706 | 68 | 1.66 | 2.4 |
| Leamington..... | Nia. | 5,025 | 263 | 25,306.03 | 1,133,758 | 1,324 | 71 | 1.59 | 2.2 |
| Lindsay..... | E.O. | 7,109 | 19 | 37,863.94 | 1,531,976 | 1,830 | 70 | 1.72 | 2.5 |
| Listowel..... | Nia. | 2,665 | 154 | 17,878.49 | 866,949 | 726 | 100 | 2.05 | 2.0 |
| Long Branch..... | Nia. | 3,541 | 73 | 23,463.32 | 1,213,753 | 899 | 117 | 1.12 | 1.9 |
| Meaford..... | G.B. | 2,707 | 23 | 12,262.19 | 419,545 | 638 | 55 | 1.60 | 2.4 |
| Merritton..... | Nia. | 2,544 | 16 | 11,558.62 | 640,363 | 700 | 76 | 1.38 | 1.8 |
| Midland..... | G.B. | 6,808 | 25 | 35,287.78 | 2,132,840 | 1,564 | 114 | 1.88 | 1.6 |
| Mimico..... | Nia. | 6,454 | 75 | 54,604.89 | 3,432,610 | 1,760 | 162 | 2.58 | 1.6 |
| Napanee..... | E.O. | 3,014 | 19 | 26,679.48 | 1,192,049 | 770 | 129 | 2.89 | 2.2 |
| New Toronto..... | Nia. | 7,280 | 76 | 32,307.33 | 2,052,693 | 1,434 | 119 | 1.87 | 1.6 |
| Orangeville..... | G.B. | 2,785 | 47 | 14,312.27 | 624,763 | 654 | 80 | 1.82 | 2.3 |
| Paris..... | Nia. | 4,330 | 76 | 22,861.22 | 1,375,971 | 1,060 | 108 | 1.80 | 1.7 |
| Penetanguishene..... | G.B. | 4,046 | 29 | 11,560.03 | 563,514 | 599 | 78 | 1.61 | 2.1 |
| Perth..... | E.O. | 3,994 | 21 | 22,755.27 | 1,048,103 | 934 | 93 | 2.03 | 2.2 |
| Petrolia..... | Nia. | 2,569 | 231 | 11,576.04 | 462,824 | 667 | 58 | 1.45 | 2.5 |
| Pictou..... | E.O. | 3,217 | 33 | 21,579.51 | 1,084,382 | 997 | 91 | 1.80 | 2.0 |
| Port Colborne..... | Nia. | 6,006 | 21 | 27,055.82 | 1,280,190 | 1,249 | 85 | 1.80 | 2.1 |
| Port Hope..... | E.O. | 4,626 | 43 | 29,372.14 | 1,021,142 | 1,238 | 69 | 1.98 | 2.9 |
| Prescott..... | E.O. | 2,952 | 48 | 15,796.30 | 1,022,957 | 655 | 130 | 2.01 | 1.5 |
| Preston..... | Nia. | 6,138 | 86 | 40,489.55 | 2,186,917 | 1,552 | 117 | 2.17 | 1.9 |
| Riverside..... | Nia. | 5,125 | 243 | 38,813.62 | 1,844,170 | 1,081 | 142 | 2.99 | 2.1 |
| St. Marys..... | Nia. | 4,016 | 133 | 28,360.01 | 1,313,400 | 1,034 | 106 | 2.29 | 2.3 |
| Sandwich..... | Nia. | 11,017 | 245 | 88,361.44 | 5,181,094 | 2,392 | 181 | 3.08 | 1.7 |
| Simcoe..... | Nia. | 5,397 | 103 | 20,283.75 | 1,038,930 | 1,144 | 75 | 1.47 | 1.9 |
| Smiths Falls..... | E.O. | 7,501 | 38 | 41,684.74 | 1,751,043 | 1,640 | 89 | 2.12 | 2.4 |
| Strathroy..... | Nia. | 2,879 | 150 | 20,207.78 | 1,025,736 | 802 | 107 | 2.10 | 2.0 |
| Tecumseh..... | Nia. | 2,546 | 246 | 14,603.68 | 498,439 | 506 | 82 | 2.40 | 2.9 |
| Thorold..... | Nia. | 5,068 | 9 | 18,732.14 | 996,014 | 1,165 | 71 | 1.34 | 1.9 |
| Tilsonburg..... | Nia. | 3,351 | 116 | 14,962.86 | 755,006 | 887 | 71 | 1.41 | 2.0 |
| Trenton..... | E.O. | 6,331 | 1 | 28,302.03 | 1,083,612 | 1,251 | 72 | 1.89 | 2.6 |
| Walkerton..... | G.B. | 2,340 | 1 | 15,041.12 | 530,827 | 535 | 83 | 2.34 | 2.8 |
| Walkerville..... | Nia. | 10,681 | 239 | 104,317.38 | 6,695,624 | 2,367 | 235 | 3.68 | 1.6 |
| Wallaceburg..... | Nia. | 4,343 | 211 | 18,859.03 | 795,491 | 1,020 | 65 | 1.54 | 2.3 |
| Waterloo..... | Nia. | 8,563 | 96 | 58,827.49 | 3,599,007 | 1,850 | 162 | 2.64 | 1.6 |
| Weston..... | Nia. | 4,736 | 80 | 39,599.41 | 3,021,758 | 1,248 | 202 | 2.64 | 1.3 |
| Whitby..... | E.O. | 5,294 | 80 | 19,548.69 | 1,015,241 | 833 | 102 | 1.96 | 2.0 |

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933
of Population, 2,000 or more

| Commercial light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|---|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 6,278.16 | 192,403 | 116 | 138 | 4.51 | 3.4 | 8,414.66 | 13 | 291.6 | 747 |
| 6,022.90 | 280,581 | 132 | 177 | 3.80 | 2.1 | 22,697.17 | 27 | 1,045.4 | 827 |
| 13,509.59 | 502,582 | 237 | 177 | 4.75 | 2.7 | 14,069.81 | 20 | 710.5 | 1,412 |
| 6,627.47 | 217,378 | 119 | 152 | 4.64 | 3.1 | 17,994.07 | 20 | 652.0 | 865 |
| 4,916.32 | 140,481 | 108 | 108 | 3.80 | 3.5 | 36,225.41 | 28 | 1,659.3 | 836 |
| 2,998.76 | 166,532 | 64 | 217 | 3.90 | 1.8 | 3,912.05 | 7 | 144.2 | 571 |
| 7,418.16 | 346,312 | 123 | 235 | 5.02 | 2.1 | 12,915.00 | 9 | 770.1 | 688 |
| 14,380.17 | 746,151 | 234 | 268 | 5.12 | 1.9 | 25,712.99 | 44 | 1,338.0 | 1,543 |
| 6,956.57 | 201,594 | 120 | 140 | 4.83 | 3.5 | 10,503.43 | 19 | 456.1 | 735 |
| 6,544.89 | 236,476 | 174 | 113 | 3.13 | 2.7 | 4,573.33 | 14 | 183.5 | 894 |
| 13,751.06 | 627,629 | 255 | 205 | 4.49 | 2.2 | 16,248.31 | 26 | 740.2 | 1,605 |
| 22,212.24 | 958,843 | 334 | 239 | 5.54 | 2.3 | 26,269.79 | 76 | 1,370.7 | 2,240 |
| 7,947.24 | 327,287 | 152 | 179 | 4.36 | 2.4 | 12,973.31 | 21 | 551.6 | 899 |
| 5,270.04 | 268,229 | 68 | 329 | 6.46 | 1.9 | 1,773.57 | 3 | 76.0 | 970 |
| 6,475.28 | 206,643 | 138 | 125 | 3.91 | 3.1 | 4,640.42 | 17 | 236.0 | 793 |
| 2,241.79 | 105,960 | 60 | 147 | 3.11 | 2.1 | 59,639.69 | 11 | 2,880.6 | 771 |
| 13,714.77 | 725,241 | 227 | 266 | 5.03 | 1.9 | 50,474.56 | 55 | 3,869.0 | 1,846 |
| 9,519.99 | 476,217 | 138 | 287 | 5.75 | 1.9 | 11,178.17 | 15 | 515.5 | 1,913 |
| 13,744.34 | 437,031 | 190 | 192 | 6.03 | 3.1 | 13,692.61 | 35 | 593.0 | 995 |
| 12,113.15 | 770,832 | 151 | 425 | 6.67 | 1.6 | 106,700.56 | 34 | 4,905.1 | 1,619 |
| 8,697.09 | 323,886 | 161 | 168 | 4.51 | 2.7 | 8,191.35 | 27 | 398.4 | 842 |
| 8,245.31 | 412,877 | 180 | 191 | 3.82 | 2.0 | 13,598.70 | 27 | 756.0 | 1,267 |
| 4,471.57 | 150,759 | 99 | 127 | 3.76 | 3.0 | 11,933.01 | 27 | 522.9 | 725 |
| 15,109.94 | 531,939 | 192 | 231 | 6.56 | 2.8 | 18,203.77 | 25 | 779.8 | 1,151 |
| 6,517.41 | 232,923 | 167 | 116 | 3.25 | 2.8 | 21,684.65 | 55 | 696.0 | 889 |
| 12,218.11 | 513,444 | 204 | 210 | 4.99 | 2.4 | 8,629.85 | 38 | 443.6 | 1,239 |
| 11,314.48 | 594,497 | 224 | 221 | 4.20 | 1.9 | 13,333.77 | 25 | 479.6 | 1,498 |
| 11,563.02 | 371,886 | 203 | 153 | 4.75 | 3.1 | 24,269.55 | 45 | 1,006.2 | 1,486 |
| 8,332.02 | 436,596 | 155 | 235 | 4.48 | 1.9 | 3,234.08 | 19 | 298.8 | 829 |
| 15,920.17 | 710,312 | 237 | 250 | 5.60 | 2.2 | 33,653.36 | 57 | 1,973.9 | 1,846 |
| 4,275.26 | 154,530 | 47 | 272 | 7.58 | 2.8 | 9,656.93 | 8 | 318.6 | 1,136 |
| 9,291.65 | 415,053 | 195 | 177 | 3.97 | 2.2 | 16,858.30 | 37 | 688.4 | 1,266 |
| 16,649.87 | 916,467 | 210 | 364 | 6.61 | 1.8 | 12,067.13 | 26 | 688.3 | 2,628 |
| 24,148.61 | 1,343,186 | 306 | 365 | 6.57 | 1.8 | 25,728.64 | 38 | 1,004.3 | 1,488 |
| 15,246.98 | 590,941 | 257 | 192 | 4.94 | 2.6 | 16,759.14 | 44 | 672.7 | 1,941 |
| 9,754.05 | 404,799 | 173 | 195 | 4.70 | 2.4 | 10,820.29 | 25 | 530.0 | 1,000 |
| 3,171.42 | 103,195 | 47 | 182 | 5.62 | 3.1 | 1,322.34 | 3 | 61.3 | 556 |
| 6,486.84 | 433,716 | 191 | 189 | 2.83 | 1.5 | 29,477.83 | 16 | 1,664.9 | 1,372 |
| 11,687.36 | 564,839 | 223 | 211 | 4.37 | 2.1 | 11,655.79 | 30 | 612.9 | 1,140 |
| 17,524.57 | 574,659 | 220 | 218 | 6.64 | 3.0 | 68,244.24 | 48 | 2,457.9 | 1,519 |
| 7,683.67 | 243,059 | 134 | 151 | 4.78 | 3.1 | 4,919.61 | 17 | 183.6 | 686 |
| 29,322.93 | 1,301,720 | 317 | 342 | 7.70 | 2.2 | 127,701.63 | 94 | 6,146.8 | 2,778 |
| 10,687.00 | 431,371 | 223 | 161 | 3.99 | 2.4 | 51,316.49 | 29 | 1,664.0 | 1,272 |
| 20,814.44 | 985,419 | 249 | 330 | 6.96 | 2.1 | 27,564.82 | 77 | 1,713.7 | 2,176 |
| 9,376.18 | 493,183 | 179 | 230 | 4.37 | 1.9 | 32,572.96 | 30 | 1,701.4 | 1,457 |
| 9,555.38 | 363,740 | 158 | 192 | 5.04 | 2.6 | 16,502.07 | 21 | 668.2 | 1,012 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|--------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | miles | \$ c. | kw-hr. | | kw-hr. | \$ c. | cts. |
| Acton..... | Nia. | 1,895 | 91 | 9,980.21 | 547,115 | 482 | 95 | 1.73 | 1.8 |
| Agincourt..... | Nia. | P.V. | 93 | 5,107.67 | 171,029 | 143 | 100 | 2.98 | 3.0 |
| Ailsa Craig..... | Nia. | 464 | 148 | 2,631.21 | 85,052 | 130 | 56 | 1.69 | 3.1 |
| Alliston..... | G.B. | 1,379 | 74 | 8,513.19 | 235,750 | 351 | 56 | 2.02 | 3.6 |
| Alvinston..... | Nia. | 690 | 267 | 3,991.86 | 59,382 | 151 | 33 | 2.20 | 6.7 |
| Ancaster Twp.... | Nia. | ..... | 59 | 8,977.54 | 415,985 | 268 | 129 | 2.79 | 2.1 |
| Apple Hill..... | E.O. | P.V. | 19 | 1,080.88 | 15,929 | 46 | 29 | 1.96 | 6.8 |
| Arkona..... | Nia. | 416 | 250 | 2,643.74 | 45,110 | 96 | 39 | 2.29 | 5.9 |
| Arthur..... | G.B. | 1,037 | 63 | 4,569.26 | 84,764 | 185 | 38 | 2.06 | 5.4 |
| Athens..... | E.O. | 582 | 75 | 3,966.74 | 73,780 | 140 | 44 | 2.36 | 5.4 |
| Aylmer..... | Nia. | 1,989 | 145 | 10,877.65 | 509,569 | 633 | 67 | 1.44 | 2.1 |
| Ayr..... | Nia. | 768 | 84 | 5,126.69 | 213,613 | 208 | 85 | 2.05 | 2.4 |
| Baden..... | Nia. | P.V. | 103 | 3,596.36 | 181,620 | 133 | 114 | 2.25 | 2.0 |
| Bath..... | E.O. | 350 | 32 | 1,441.86 | 27,795 | 31 | 75 | 3.88 | 5.2 |
| Beachville..... | Nia. | P.V. | 101 | 3,018.55 | 115,886 | 133 | 73 | 1.90 | 2.6 |
| Beaverton..... | G.B. | 960 | 28 | 6,038.34 | 247,640 | 303 | 68 | 1.66 | 2.4 |
| Beeton..... | G.B. | 584 | 80 | 3,594.50 | 67,807 | 124 | 46 | 2.42 | 5.3 |
| Belle River..... | Nia. | 746 | 250 | 3,411.84 | 109,595 | 207 | 44 | 1.37 | 3.1 |
| Blenheim..... | Nia. | 1,690 | 202 | 8,520.56 | 342,161 | 490 | 58 | 1.45 | 2.5 |
| Bloomfield..... | E.O. | 614 | 29 | 2,713.31 | 93,039 | 148 | 52 | 1.53 | 2.9 |
| Blyth..... | Nia. | 602 | 161 | 3,893.93 | 96,731 | 158 | 51 | 2.05 | 4.0 |
| Bolton..... | Nia. | 593 | 98 | 3,426.17 | 123,193 | 162 | 63 | 1.76 | 2.8 |
| Bothwell..... | Nia. | 646 | 217 | 2,710.60 | 97,864 | 169 | 48 | 1.34 | 2.8 |
| Bradford..... | G.B. | 1,009 | 74 | 6,341.25 | 172,785 | 223 | 65 | 2.37 | 3.7 |
| Brantford Twp... | Nia. | ..... | 79 | 18,445.68 | 885,401 | 751 | 98 | 2.05 | 2.1 |
| Brechin..... | G.B. | P.V. | 18 | 971.23 | 17,484 | 42 | 35 | 1.93 | 5.6 |
| Bridgeport..... | Nia. | P.V. | 98 | 3,714.20 | 157,139 | 110 | 119 | 2.81 | 2.4 |
| Brigden..... | Nia. | P.V. | 233 | 2,306.85 | 52,105 | 108 | 40 | 1.78 | 4.4 |
| Brighton..... | E.O. | 1,413 | 12 | 10,102.13 | 203,428 | 537 | 32 | 1.57 | 5.0 |
| Brussels..... | Nia. | 770 | 159 | 5,318.84 | 116,924 | 221 | 44 | 2.01 | 4.5 |
| Burford..... | Nia. | P.V. | 83 | 4,240.32 | 192,778 | 191 | 84 | 1.85 | 2.2 |
| Burgessville..... | Nia. | P.V. | 116 | 1,254.32 | 33,908 | 54 | 52 | 1.94 | 3.6 |
| Caledonia..... | Nia. | 1,400 | 65 | 5,314.46 | 160,888 | 326 | 41 | 1.36 | 3.3 |
| Campbellville..... | Nia. | P.V. | 96 | 1,317.96 | 25,167 | 40 | 53 | 2.75 | 5.2 |
| Cannington..... | G.B. | 851 | 36 | 5,185.51 | 184,893 | 246 | 63 | 1.76 | 2.8 |

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement “D,” page 406.

| Commercial light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|-----------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 3,956.25 | 192,279 | 89 | 180 | 3.70 | 2.1 | 17,147.83 | 16 | 622.3 | 587 |
| 1,136.42 | 31,234 | 23 | 113 | 4.12 | 3.6 | 1,289.18 | 3 | 55.8 | 169 |
| 1,469.89 | 37,640 | 38 | 83 | 3.22 | 3.9 | 1,020.69 | 2 | 40.4 | 170 |
| 4,492.67 | 118,965 | 101 | 98 | 3.71 | 3.8 | 2,478.71 | 16 | 140.0 | 468 |
| 2,354.46 | 36,906 | 52 | 59 | 3.77 | 6.4 | 440.56 | 2 | 18.5 | 205 |
| 1,788.77 | 73,794 | 37 | 166 | 4.02 | 2.4 | 838.24 | 5 | 42.0 | 310 |
| 827.60 | 17,878 | 18 | 83 | 3.83 | 4.6 | 279.49 | 1 | 9.4 | 65 |
| 1,649.92 | 33,738 | 36 | 78 | 3.82 | 4.9 | 833.62 | 2 | 23.6 | 134 |
| 3,636.14 | 60,906 | 86 | 59 | 3.52 | 6.0 | 2,213.08 | 4 | 93.1 | 275 |
| 1,813.42 | 36,158 | 50 | 60 | 3.02 | 5.0 | 1,127.76 | 1 | 35.6 | 191 |
| 6,877.10 | 317,196 | 133 | 198 | 4.31 | 2.2 | 3,957.53 | 13 | 220.8 | 779 |
| 1,852.48 | 62,742 | 45 | 116 | 3.43 | 2.9 | 161.85 | 3 | 11.5 | 256 |
| 1,487.40 | 52,900 | 35 | 126 | 3.54 | 2.8 | 4,821.19 | 3 | 185.4 | 171 |
| 718.97 | 12,869 | 16 | 67 | 3.74 | 5.6 | ..... | ..... | ..... | 47 |
| 662.16 | 19,621 | 20 | 82 | 2.76 | 3.3 | 9,134.26 | 4 | 423.0 | 157 |
| 2,354.80 | 99,859 | 63 | 132 | 2.98 | 2.4 | 1,080.55 | 9 | 62.2 | 375 |
| 2,482.40 | 47,603 | 37 | 107 | 5.21 | 5.2 | 1,852.91 | 5 | 74.0 | 166 |
| 1,556.07 | 43,270 | 46 | 78 | 2.82 | 3.6 | 1,421.22 | 4 | 43.3 | 257 |
| 6,206.73 | 282,532 | 126 | 187 | 4.10 | 2.2 | 4,840.84 | 10 | 176.4 | 626 |
| 807.79 | 25,089 | 26 | 80 | 2.59 | 3.2 | 497.13 | 4 | 17.0 | 178 |
| 1,821.29 | 41,449 | 55 | 63 | 2.76 | 4.4 | 1,184.15 | 5 | 52.0 | 218 |
| 967.73 | 23,207 | 43 | 45 | 1.88 | 4.2 | 2,327.48 | 9 | 98.0 | 214 |
| 1,259.10 | 47,630 | 48 | 83 | 2.19 | 2.6 | 764.14 | 5 | 66.3 | 222 |
| 3,006.67 | 65,896 | 63 | 87 | 3.98 | 4.6 | 2,991.65 | 8 | 152.6 | 294 |
| 3,947.57 | 195,033 | 45 | 361 | 7.31 | 2.0 | 3,972.99 | 5 | 167.9 | 801 |
| 1,074.32 | 20,521 | 28 | 61 | 3.20 | 5.2 | 1,077.29 | 4 | 38.3 | 74 |
| 1,049.03 | 41,370 | 19 | 181 | 4.60 | 2.5 | 259.09 | 4 | 13.9 | 133 |
| 1,754.03 | 38,676 | 43 | 75 | 3.40 | 4.5 | 1,026.74 | 6 | 32.8 | 157 |
| 4,619.79 | 129,410 | 95 | 113 | 4.05 | 3.6 | 2,051.65 | 9 | 109.2 | 641 |
| 2,803.16 | 69,571 | 66 | 88 | 3.54 | 4.0 | 749.06 | 2 | 25.0 | 289 |
| 944.20 | 42,173 | 32 | 110 | 2.46 | 2.2 | 1,532.87 | 4 | 68.0 | 227 |
| 581.80 | 14,187 | 21 | 56 | 2.31 | 4.1 | 286.05 | 2 | 13.0 | 77 |
| 3,877.51 | 145,733 | 86 | 141 | 3.76 | 2.7 | 2,303.00 | 8 | 90.2 | 420 |
| 488.67 | 12,650 | 8 | 132 | 5.09 | 3.8 | ..... | ..... | ..... | 48 |
| 2,337.93 | 72,935 | 71 | 86 | 2.74 | 3.2 | 619.89 | 10 | 33.7 | 327 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|-------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | miles | \$ c. | kw-hr. | | kw-hr. | \$ c. | cts. |
| Cardinal..... | E.O. | 1,305 | 38 | 6,257.90 | 179,546 | 286 | 52 | 1.82 | 3.5 |
| Cayuga..... | Nia. | 705 | 82 | 3,271.60 | 86,088 | 121 | 59 | 2.25 | 3.8 |
| Chatsworth..... | G.B. | 272 | 23 | 1,590.06 | 28,435 | 73 | 32 | 1.93 | 5.6 |
| Chesley..... | G.B. | 1,789 | 46 | 8,902.79 | 326,078 | 420 | 65 | 1.77 | 2.7 |
| Chesterville..... | E.O. | 950 | 44 | 5,396.47 | 219,565 | 227 | 81 | 1.98 | 2.5 |
| Chippawa..... | Nia. | 1,073 | 4 | 6,135.21 | 309,230 | 331 | 78 | 1.54 | 2.0 |
| Clifford..... | Nia. | 454 | 173 | 2,341.49 | 45,826 | 105 | 36 | 1.86 | 5.1 |
| Clinton..... | Nia. | 1,842 | 155 | 11,717.71 | 509,019 | 504 | 84 | 1.94 | 2.3 |
| Colborne*..... | E.O. | 977 | 19 | 4,517.68 | 94,531 | 218 | 39 | 1.88 | 4.8 |
| Coldwater..... | G.B. | 626 | 17 | 2,884.70 | 133,971 | 131 | 85 | 1.84 | 2.2 |
| Comber..... | Nia. | P.V. | 216 | 2,354.18 | 63,794 | 98 | 54 | 2.00 | 3.7 |
| Cookstown..... | G.B. | P.V. | 65 | 2,479.81 | 35,831 | 96 | 31 | 2.15 | 6.9 |
| Cottam..... | Nia. | P.V. | 257 | 2,545.36 | 61,530 | 105 | 49 | 2.02 | 4.1 |
| Courtright..... | Nia. | 348 | 215 | 1,604.43 | 25,183 | 58 | 36 | 2.31 | 6.3 |
| Creemore..... | G.B. | 587 | 60 | 3,579.49 | 76,984 | 148 | 43 | 2.02 | 4.6 |
| Dashwood..... | Nia. | P.V. | 163 | 1,532.16 | 36,229 | 66 | 46 | 1.93 | 4.2 |
| Delaware..... | Nia. | P.V. | 137 | 1,331.90 | 36,724 | 48 | 64 | 2.31 | 3.6 |
| Deseronto..... | E.O. | 1,418 | 32 | 6,416.69 | 146,453 | 291 | 42 | 1.84 | 4.4 |
| Dorchester..... | Nia. | P.V. | 129 | 2,483.10 | 99,683 | 124 | 67 | 1.67 | 2.5 |
| Drayton..... | Nia. | 559 | 169 | 3,093.75 | 100,735 | 147 | 57 | 1.75 | 3.1 |
| Dresden..... | Nia. | 1,488 | 210 | 6,212.10 | 224,211 | 372 | 50 | 1.39 | 2.7 |
| Drumbo..... | Nia. | P.V. | 90 | 2,130.97 | 71,235 | 82 | 72 | 2.17 | 3.0 |
| Dublin..... | Nia. | P.V. | 140 | 1,334.24 | 26,666 | 40 | 56 | 2.78 | 5.0 |
| Dundalk..... | G.B. | 647 | 18 | 2,604.62 | 76,894 | 157 | 41 | 1.38 | 3.4 |
| Durham..... | G.B. | 1,800 | 23 | 6,477.31 | 266,185 | 422 | 52 | 1.28 | 2.4 |
| Dutton..... | Nia. | 761 | 152 | 3,545.07 | 154,367 | 204 | 63 | 1.45 | 2.3 |
| East York Twp.. | Nia. | ..... | 86 | 175,276.26 | 8,206,375 | 8,744 | 78 | 1.67 | 2.1 |
| Elmvale..... | G.B. | P.V. | 32 | 2,673.02 | 81,937 | 150 | 45 | 1.48 | 3.2 |
| Elmwood..... | G.B. | P.V. | 40 | 1,185.37 | 22,808 | 58 | 33 | 1.70 | 5.2 |
| Elora..... | Nia. | 1,144 | 94 | 7,125.01 | 275,808 | 307 | 75 | 1.93 | 2.3 |
| Embro..... | Nia. | 437 | 107 | 2,758.79 | 87,805 | 99 | 74 | 2.32 | 3.1 |
| Erieau..... | Nia. | 264 | 210 | 3,652.19 | 85,157 | 138 | 51 | 2.21 | 4.3 |
| Erie Beach..... | Nia. | ..... | 209 | 1,518.16 | 18,595 | 63 | 25 | 2.01 | 8.0 |
| Essex..... | Nia. | 1,888 | 254 | 7,502.00 | 296,447 | 413 | 60 | 1.51 | 2.5 |
| Etobicoke Twp.. | Nia. | ..... | 73 | 93,889.08 | 5,963,150 | 3,114 | 159 | 2.51 | 1.6 |
| Exeter..... | Nia. | 1,622 | 155 | 11,406.32 | 491,551 | 452 | 91 | 2.10 | 2.3 |
| Finch..... | E.O. | 383 | 53 | 1,941.99 | 41,859 | 78 | 45 | 2.07 | 4.6 |
| Flesherton..... | G.B. | 491 | 7 | 2,686.74 | 73,734 | 139 | 44 | 1.61 | 3.6 |
| Fonthill..... | Nia. | 862 | 25 | 4,877.99 | 204,939 | 194 | 88 | 2.10 | 2.4 |
| Forest..... | Nia. | 1,465 | 256 | 10,865.60 | 397,869 | 458 | 72 | 1.98 | 2.7 |

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

VILLAGES AND SUBURBAN AREAS

| Commercial light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|-----------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 1,943.40 | 56,126 | 50 | 94 | 3.24 | 3.5 | 551.64 | 2 | 17.0 | 338 |
| 2,867.78 | 70,805 | 54 | 109 | 4.43 | 4.1 | 1,404.86 | 4 | 42.4 | 179 |
| 1,304.24 | 23,492 | 29 | 67 | 3.75 | 5.6 | 583.08 | 1 | 28.6 | 103 |
| 4,106.77 | 153,400 | 97 | 132 | 3.53 | 2.7 | 9,442.42 | 19 | 352.6 | 536 |
| 2,298.21 | 63,118 | 65 | 81 | 2.95 | 3.6 | 2,562.57 | 3 | 96.6 | 295 |
| 1,079.44 | 54,879 | 31 | 148 | 2.90 | 2.0 | 1,062.88 | 6 | 40.2 | 368 |
| 1,581.17 | 32,429 | 40 | 68 | 3.29 | 4.9 | 119.86 | 1 | 5.0 | 146 |
| 5,931.47 | 215,250 | 129 | 139 | 3.83 | 2.8 | 5,797.34 | 15 | 233.2 | 648 |
| 3,112.69 | 67,920 | 79 | 78 | 3.58 | 4.6 | 591.26 | 3 | 32.0 | 300 |
| 1,746.74 | 53,802 | 54 | 83 | 2.68 | 3.2 | 2,557.43 | 4 | 116.2 | 189 |
| 2,292.75 | 65,129 | 49 | 111 | 3.90 | 3.5 | 3,049.83 | 3 | 79.4 | 150 |
| 1,264.87 | 19,352 | 27 | 60 | 3.90 | 6.5 | 911.92 | 5 | 68.0 | 128 |
| 1,298.35 | 37,940 | 28 | 113 | 3.86 | 3.4 | 389.53 | 1 | 15.0 | 134 |
| 941.55 | 14,952 | 23 | 54 | 3.41 | 6.3 | 891.28 | 2 | 14.5 | 83 |
| 1,808.96 | 44,269 | 51 | 72 | 2.96 | 4.1 | 1,102.80 | 3 | 51.4 | 202 |
| 879.68 | 16,285 | 27 | 50 | 2.72 | 5.4 | 576.61 | 1 | 18.0 | 94 |
| 601.43 | 19,122 | 18 | 89 | 2.78 | 3.1 | ..... | ..... | ..... | 66 |
| 2,254.49 | 35,705 | 66 | 45 | 2.85 | 6.3 | 2,028.21 | 11 | 80.2 | 368 |
| 818.97 | 25,567 | 26 | 82 | 2.62 | 3.2 | 269.73 | 1 | 20.3 | 151 |
| 1,887.84 | 47,974 | 58 | 69 | 2.71 | 3.9 | 1,017.47 | 4 | 48.1 | 209 |
| 5,002.21 | 192,784 | 122 | 132 | 3.42 | 2.6 | 4,907.27 | 10 | 236.0 | 504 |
| 1,039.19 | 27,438 | 25 | 91 | 3.46 | 3.8 | 753.76 | 1 | 21.6 | 108 |
| 887.79 | 15,436 | 22 | 58 | 3.36 | 5.8 | 451.79 | 3 | 19.0 | 65 |
| 2,200.70 | 63,624 | 69 | 77 | 2.66 | 3.5 | 2,240.17 | 4 | 121.3 | 230 |
| 4,139.84 | 148,087 | 109 | 113 | 3.17 | 2.8 | 6,617.71 | 11 | 274.3 | 542 |
| 2,534.26 | 93,962 | 71 | 110 | 2.97 | 2.7 | 3,552.14 | 7 | 151.1 | 282 |
| 23,952.07 | 1,247,786 | 367 | 283 | 5.44 | 1.9 | 27,526.00 | 35 | 1,194.2 | 9,146 |
| 1,728.30 | 56,994 | 59 | 80 | 2.44 | 3.0 | 2,759.12 | 8 | 161.8 | 217 |
| 586.45 | 11,993 | 19 | 53 | 2.57 | 4.9 | 1,339.14 | 1 | 34.0 | 78 |
| 3,524.48 | 114,836 | 73 | 131 | 4.02 | 3.1 | 2,907.45 | 2 | 131.1 | 382 |
| 1,586.05 | 35,344 | 45 | 65 | 2.94 | 4.5 | 1,530.55 | 1 | 40.0 | 145 |
| 1,058.34 | 24,496 | 12 | 170 | 7.35 | 4.3 | 879.43 | 2 | 36.1 | 152 |
| 258.57 | 4,568 | 3 | 127 | 7.18 | 5.7 | ..... | ..... | ..... | 66 |
| 4,666.24 | 174,570 | 112 | 130 | 3.47 | 2.6 | 6,052.86 | 17 | 285.7 | 542 |
| 16,220.69 | 830,595 | 212 | 326 | 6.37 | 2.0 | 15,691.35 | 22 | 704.0 | 3,348 |
| 4,896.67 | 148,762 | 121 | 102 | 3.37 | 3.3 | 4,607.11 | 9 | 206.2 | 582 |
| 1,549.09 | 29,403 | 31 | 79 | 4.16 | 5.3 | 700.39 | 1 | 15.5 | 110 |
| 1,768.58 | 45,281 | 48 | 79 | 3.07 | 3.9 | 226.29 | 2 | 10.5 | 189 |
| 974.73 | 41,572 | 33 | 105 | 2.46 | 2.3 | 596.85 | 5 | 21.6 | 232 |
| 5,208.04 | 158,227 | 139 | 95 | 3.12 | 3.3 | 5,271.19 | 24 | 199.6 | 621 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popu- lation | Distance from nearest generating station supplying system | Domestic service | | | | | |
|------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | miles | \$ c. | kw-hr. | | kw-hr. | \$ c. | cts. |
| Glencoe..... | Nia. | 800 | 229 | 5,470.81 | 170,526 | 218 | 65 | 2.09 | 3.2 |
| Grand Valley.... | G.B. | 587 | 51 | 3,467.61 | 72,153 | 156 | 39 | 1.85 | 4.8 |
| Granton..... | Nia. | P.V. | 147 | 1,692.71 | 65,892 | 80 | 68 | 1.76 | 2.6 |
| Gravenhurst..... | G.B. | 1,830 | 7 | 8,580.86 | 517,768 | 464 | 93 | 1.54 | 1.7 |
| Hagersville..... | Nia. | 1,370 | 75 | 4,816.57 | 232,928 | 316 | 61 | 1.27 | 2.1 |
| Harriston..... | Nia. | 1,293 | 167 | 7,829.33 | 231,381 | 338 | 57 | 1.93 | 3.4 |
| Harrow..... | Nia. | 926 | 267 | 7,875.06 | 391,827 | 246 | 133 | 2.67 | 2.0 |
| Hastings..... | E.O. | 707 | 15 | 3,997.82 | 73,390 | 166 | 37 | 2.01 | 5.4 |
| Havelock..... | E.O. | 1,096 | 25 | 6,089.60 | 139,043 | 281 | 41 | 1.80 | 4.4 |
| Hensall..... | Nia. | 719 | 161 | 4,180.44 | 146,107 | 180 | 68 | 1.94 | 2.9 |
| Highgate..... | Nia. | 338 | 217 | 1,783.58 | 45,813 | 96 | 40 | 1.55 | 3.9 |
| Holstein..... | G.B. | P.V. | 34 | 1,479.27 | 12,708 | 54 | 20 | 2.28 | 11.6 |
| Jarvis..... | Nia. | 504 | 81 | 2,396.78 | 58,930 | 120 | 41 | 1.66 | 4.3 |
| Kemptville..... | E.O. | 1,227 | 62 | 7,000.28 | 216,499 | 318 | 57 | 1.83 | 3.2 |
| Kirkfield..... | G.B. | P.V. | 35 | 749.21 | 14,026 | 27 | 43 | 2.31 | 5.3 |
| Lakefield..... | E.O. | 1,303 | 8 | 6,425.25 | 227,442 | 309 | 61 | 1.73 | 2.8 |
| Lambeth..... | Nia. | P.V. | 130 | 3,387.28 | 128,521 | 109 | 98 | 2.59 | 2.6 |
| Lanark..... | E.O. | 636 | 21 | 2,792.36 | 62,305 | 150 | 35 | 1.55 | 4.5 |
| Lancaster..... | E.O. | 601 | 25 | 2,016.86 | 31,445 | 78 | 34 | 2.15 | 6.4 |
| La Salle..... | Nia. | 600 | 248 | 6,313.91 | 248,010 | 198 | 104 | 2.66 | 2.5 |
| London Twp..... | Nia. | ..... | 128 | 10,610.79 | 605,135 | 330 | 153 | 2.68 | 1.7 |
| Lucan..... | Nia. | 590 | 141 | 4,777.67 | 184,655 | 174 | 88 | 2.29 | 2.6 |
| Lucknow..... | G.B. | 1,082 | 68 | 6,845.31 | 175,715 | 252 | 58 | 2.26 | 3.9 |
| Lynden..... | Nia. | P.V. | 62 | 2,151.80 | 72,799 | 81 | 75 | 2.21 | 3.0 |
| Madoc..... | E.O. | 1,059 | 25 | 4,856.28 | 112,996 | 260 | 36 | 1.56 | 4.3 |
| Markdale..... | G.B. | 774 | 7 | 3,571.87 | 120,281 | 187 | 54 | 1.60 | 3.0 |
| Markham..... | Nia. | 1,073 | 114 | 6,880.40 | 237,786 | 272 | 73 | 2.11 | 2.9 |
| Marmora..... | E.O. | 924 | 20 | 3,613.94 | 64,314 | 198 | 27 | 1.52 | 5.6 |
| Martintown..... | E.O. | P.V. | 14 | 807.82 | 12,155 | 35 | 29 | 1.93 | 6.6 |
| Maxvale..... | E.O. | 785 | 26 | 3,191.96 | 48,271 | 132 | 30 | 2.01 | 6.6 |
| Merlin..... | Nia. | P.V. | 219 | 2,261.27 | 51,655 | 104 | 41 | 1.81 | 4.4 |
| Mildmay..... | G.B. | 694 | 5 | 2,967.88 | 56,250 | 140 | 34 | 1.77 | 5.3 |
| Milton..... | Nia. | 1,828 | 88 | 11,622.25 | 479,526 | 456 | 87 | 2.12 | 2.4 |
| Milverton..... | Nia. | 1,004 | 139 | 5,672.73 | 266,859 | 223 | 100 | 2.12 | 2.1 |
| Mitchell..... | Nia. | 1,571 | 135 | 10,478.52 | 498,958 | 429 | 97 | 2.04 | 2.1 |
| Moorefield..... | Nia. | P.V. | 168 | 1,068.82 | 21,913 | 63 | 29 | 1.41 | 4.9 |
| Mt. Brydges.... | Nia. | P.V. | 141 | 2,832.07 | 108,697 | 136 | 67 | 1.74 | 2.6 |
| Mt. Forest..... | G.B. | 1,821 | 38 | 7,571.59 | 336,750 | 447 | 61 | 1.41 | 2.2 |
| Neustadt..... | G.B. | 465 | 40 | 2,019.90 | 20,988 | 96 | 18 | 1.75 | 9.6 |
| Newbury..... | Nia. | 267 | 223 | 1,266.73 | 25,955 | 62 | 35 | 1.70 | 4.9 |

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

VILLAGES AND SUBURBAN AREAS

| Commercial light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|-----------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 3,152.02 | 84,283 | 80 | 88 | 3.28 | 3.7 | 2,974.70 | 6 | 98.6 | 304 |
| 1,799.23 | 36,361 | 48 | 63 | 3.12 | 4.9 | 1,975.40 | 4 | 72.0 | 208 |
| 1,028.21 | 34,550 | 33 | 88 | 2.60 | 2.9 | 830.74 | 2 | 39.0 | 115 |
| 6,087.91 | 335,475 | 115 | 243 | 4.41 | 1.8 | 7,778.01 | 12 | 383.0 | 591 |
| 4,468.97 | 240,189 | 107 | 187 | 3.48 | 1.9 | 11,477.85 | 17 | 602.7 | 440 |
| 4,842.28 | 132,795 | 105 | 105 | 3.84 | 3.6 | 5,568.28 | 12 | 220.3 | 455 |
| 3,499.99 | 123,431 | 77 | 134 | 3.78 | 2.8 | 3,558.36 | 4 | 154.7 | 327 |
| 1,684.61 | 22,858 | 49 | 39 | 2.86 | 7.4 | 759.66 | 5 | 14.6 | 220 |
| 2,087.16 | 43,733 | 64 | 57 | 2.72 | 4.8 | 2,881.48 | 3 | 105.4 | 348 |
| 1,800.34 | 49,063 | 52 | 79 | 2.89 | 3.7 | 2,556.11 | 14 | 126.1 | 246 |
| 976.17 | 23,961 | 37 | 54 | 2.20 | 4.1 | 1,120.69 | 6 | 56.1 | 139 |
| 570.60 | 5,133 | 18 | 24 | 2.64 | 11.1 | 238.59 | 1 | 7.5 | 73 |
| 1,868.82 | 54,316 | 36 | 126 | 4.33 | 3.4 | 4,220.35 | 4 | 142.0 | 160 |
| 4,387.41 | 152,272 | 83 | 153 | 4.40 | 2.9 | 4,620.72 | 7 | 181.8 | 408 |
| 1,156.47 | 19,212 | 20 | 80 | 4.82 | 6.0 | ..... | ..... | ..... | 47 |
| 3,463.55 | 140,852 | 69 | 170 | 4.18 | 2.5 | 1,826.60 | 6 | 125.8 | 384 |
| 1,511.67 | 46,350 | 28 | 138 | 4.50 | 3.3 | 576.57 | 2 | 27.5 | 139 |
| 1,201.42 | 30,155 | 36 | 70 | 2.78 | 4.0 | ..... | ..... | ..... | 186 |
| 1,677.89 | 23,465 | 36 | 54 | 3.88 | 7.1 | ..... | ..... | ..... | 114 |
| 1,666.45 | 65,167 | 21 | 259 | 6.61 | 2.6 | 2,254.05 | 5 | 74.6 | 224 |
| 2,446.39 | 120,860 | 19 | 530 | 10.73 | 2.0 | 1,537.05 | 5 | 52.0 | 354 |
| 1,617.17 | 44,043 | 44 | 83 | 3.06 | 3.7 | 370.86 | 7 | 22.7 | 225 |
| 2,998.23 | 69,772 | 79 | 74 | 3.16 | 4.3 | 4,017.01 | 7 | 116.4 | 338 |
| 713.59 | 24,949 | 21 | 99 | 2.83 | 2.9 | 749.82 | 1 | 36.0 | 103 |
| 3,484.56 | 89,200 | 98 | 76 | 2.96 | 3.9 | 1,016.60 | 6 | 83.6 | 364 |
| 2,580.48 | 79,361 | 79 | 84 | 2.72 | 3.3 | 1,129.02 | 10 | 91.0 | 276 |
| 2,614.73 | 82,231 | 66 | 104 | 3.30 | 3.2 | 3,262.60 | 11 | 125.5 | 349 |
| 1,496.46 | 31,533 | 44 | 60 | 2.83 | 4.7 | 131.40 | 2 | 10.3 | 244 |
| 987.08 | 16,594 | 22 | 63 | 3.74 | 5.9 | ..... | ..... | ..... | 57 |
| 2,396.57 | 42,960 | 43 | 83 | 4.64 | 5.6 | ..... | ..... | ..... | 175 |
| 1,704.94 | 42,459 | 45 | 79 | 3.16 | 4.0 | 1,470.08 | 2 | 47.4 | 151 |
| 2,024.23 | 33,177 | 47 | 59 | 3.59 | 6.1 | 719.27 | 2 | 22.7 | 189 |
| 5,463.21 | 235,619 | 104 | 190 | 4.38 | 2.3 | 11,308.00 | 21 | 461.0 | 581 |
| 2,775.02 | 82,131 | 71 | 96 | 3.26 | 3.4 | 4,093.63 | 7 | 220.8 | 301 |
| 4,196.91 | 167,402 | 99 | 141 | 3.53 | 2.5 | 4,910.74 | 24 | 254.8 | 552 |
| 647.64 | 10,001 | 27 | 31 | 2.00 | 6.5 | 1,161.94 | 2 | 42.6 | 92 |
| 915.76 | 31,817 | 36 | 74 | 2.12 | 2.9 | 917.24 | 3 | 32.9 | 175 |
| 5,190.17 | 208,790 | 160 | 109 | 2.70 | 2.5 | 4,255.50 | 11 | 227.0 | 618 |
| 1,357.97 | 17,211 | 28 | 51 | 4.04 | 7.9 | 63.33 | 2 | 3.3 | 126 |
| 957.67 | 18,787 | 27 | 58 | 2.96 | 5.1 | 760.22 | 2 | 35.3 | 91 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumer
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population,

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|-----------------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | miles | \$ c. | kw-hr. | | kw-hr. | \$ c. | cts. |
| New Hamburg... | Nia. | 1,426 | 106 | 10,770.96 | 476,280 | 343 | 116 | 2.62 | 2.3 |
| Niagara-on-the Lake..... | Nia. | 1,672 | 13 | 14,217.28 | 979,710 | 464 | 176 | 2.55 | 1.5 |
| Nipigon..... | T.B. | P.V. | 14 | 2,510.41 | 69,166 | 134 | 43 | 1.56 | 3.6 |
| North York Twp. | Nia. | ..... | 84 | 94,813.34 | 4,027,459 | 2,802 | 120 | 2.82 | 2.3 |
| Norwich..... | Nia. | 1,126 | 110 | 8,128.33 | 402,222 | 359 | 93 | 1.89 | 2.0 |
| Norwood..... | E.O. | 727 | 10 | 4,480.44 | 117,016 | 217 | 45 | 1.72 | 3.8 |
| Oil Springs..... | Nia. | 433 | 226 | 1,636.56 | 40,838 | 75 | 45 | 1.81 | 4.0 |
| Omemece..... | E.O. | 498 | 15 | 2,249.60 | 56,437 | 126 | 37 | 1.49 | 4.0 |
| Otterville..... | Nia. | P.V. | 115 | 2,115.40 | 71,863 | 102 | 59 | 1.72 | 2.9 |
| Paisley..... | G.B. | 732 | 56 | 3,937.95 | 69,353 | 186 | 31 | 1.76 | 5.7 |
| Palmerston..... | Nia. | 1,617 | 161 | 10,859.15 | 467,259 | 389 | 100 | 2.33 | 2.3 |
| Parkhill..... | Nia. | 998 | 157 | 4,742.41 | 110,550 | 238 | 39 | 1.66 | 4.3 |
| Plattsville..... | Nia. | P.V. | 96 | 2,610.72 | 65,222 | 91 | 60 | 2.39 | 4.0 |
| Point Edward... | Nia. | 1,211 | 209 | 5,693.23 | 206,160 | 300 | 57 | 1.58 | 2.7 |
| Port Credit..... | Nia. | 1,650 | 69 | 13,127.25 | 832,577 | 400 | 173 | 2.73 | 1.6 |
| Port Dalhousie.. | Nia. | 1,331 | 21 | 13,147.96 | 808,199 | 587 | 115 | 1.87 | 1.6 |
| Port Dover..... | Nia. | 1,680 | 108 | 8,036.80 | 263,565 | 476 | 46 | 1.41 | 3.0 |
| Port Elgin..... | G.B. | 1,230 | 6 | 8,046.31 | 222,550 | 373 | 50 | 1.80 | 3.6 |
| Port McNicoll... | G.B. | 928 | 21 | 3,643.06 | 170,728 | 197 | 72 | 1.54 | 2.1 |
| Port Perry..... | G.B. | 1,130 | 58 | 6,660.96 | 227,472 | 300 | 66 | 1.85 | 2.9 |
| Port Rowan..... | Nia. | 674 | 124 | 3,479.35 | 55,019 | 101 | 45 | 2.87 | 6.3 |
| Port Stanley.... | Nia. | 723 | 146 | 12,781.37 | 559,757 | 596 | 78 | 1.79 | 2.3 |
| Priceville..... | G.B. | P.V. | 12 | 675.10 | 8,544 | 31 | 23 | 1.81 | 7.9 |
| Princeton..... | Nia. | P.V. | 96 | 2,143.41 | 55,613 | 77 | 60 | 2.32 | 3.9 |
| Queenston..... | Nia. | P.V. | 7 | 2,539.83 | 113,915 | 68 | 140 | 3.11 | 2.2 |
| Richmond..... | E.O. | 381 | 19 | 1,868.77 | 49,446 | 53 | 78 | 2.94 | 3.8 |
| Richmond Hill... | Nia. | 1,270 | 103 | 7,421.53 | 335,237 | 321 | 87 | 1.93 | 2.2 |
| Ridgetown..... | Nia. | 1,942 | 211 | 9,111.63 | 418,297 | 557 | 63 | 1.36 | 2.2 |
| Ripley..... | G.B. | 451 | 69 | 3,363.35 | 56,417 | 128 | 37 | 2.19 | 6.0 |
| Rockwood..... | Nia. | P.V. | 87 | 2,976.57 | 127,033 | 145 | 73 | 1.71 | 2.3 |
| Rodney..... | Nia. | 757 | 163 | 3,349.64 | 103,110 | 202 | 43 | 1.38 | 3.2 |
| Rosseau..... | G.B. | 251 | 37 | 2,871.74 | 41,636 | 61 | 57 | 3.92 | 6.8 |
| Russell..... | E.O. | P.V. | 58 | 2,535.67 | 45,915 | 107 | 36 | 1.97 | 5.5 |
| St. Clair Beach.. | Nia. | 74 | 247 | 2,297.29 | 79,388 | 38 | 174 | 5.04 | 2.9 |
| St. George..... | Nia. | P.V. | 82 | 2,876.52 | 148,575 | 132 | 94 | 1.82 | 2.9 |
| St. Jacobs..... | Nia. | P.V. | 102 | 3,829.52 | 179,632 | 109 | 137 | 2.93 | 2.1 |
| Scarboro Twp.... | Nia. | ..... | 87 | 85,543.29 | 4,283,697 | 4,404 | 77 | 1.67 | 2.0 |
| Seaforth..... | Nia. | 1,692 | 147 | 10,808.12 | 481,044 | 391 | 103 | 2.30 | 2.2 |
| Shelburne..... | G.B. | 1,064 | 31 | 5,384.95 | 192,854 | 285 | 56 | 1.57 | 2.8 |
| Southampton.... | G.B. | 1,520 | 3 | 8,144.39 | 228,771 | 384 | 50 | 1.77 | 3.6 |

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

VILLAGES AND SUBURBAN AREAS

| Commercial light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|------------------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumptive kw-hr. | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 4,255.63 | 134,364 | 93 | 120 | 3.81 | 3.2 | 4,594.44 | 14 | 221.7 | 450 |
| 3,410.85 | 181,658 | 82 | 185 | 3.47 | 1.9 | 2,474.05 | 10 | 84.2 | 556 |
| 1,831.65 | 54,788 | 39 | 117 | 3.91 | 3.3 | 979.94 | 2 | 41.6 | 175 |
| 15,325.38 | 516,300 | 233 | 185 | 5.48 | 3.0 | 31,568.43 | 36 | 1,068.2 | 3,071 |
| 3,068.33 | 119,255 | 77 | 130 | 3.36 | 2.6 | 2,230.06 | 7 | 105.5 | 443 |
| 2,176.66 | 50,250 | 70 | 60 | 2.59 | 4.3 | 626.22 | 2 | 23.4 | 289 |
| 1,168.42 | 32,116 | 30 | 89 | 3.25 | 3.6 | 7,848.65 | 31 | 204.9 | 136 |
| 1,268.12 | 32,113 | 47 | 57 | 2.25 | 3.9 | 1,452.73 | 6 | 59.2 | 179 |
| 1,656.94 | 49,039 | 43 | 95 | 3.21 | 3.4 | 268.75 | 4 | 19.0 | 149 |
| 2,679.61 | 70,278 | 55 | 106 | 4.06 | 3.8 | 1,155.09 | 4 | 32.7 | 245 |
| 4,888.74 | 199,113 | 90 | 184 | 4.53 | 2.5 | 6,567.77 | 11 | 362.3 | 490 |
| 3,052.58 | 69,290 | 79 | 73 | 3.22 | 4.4 | 826.37 | 4 | 32.1 | 321 |
| 1,055.17 | 21,641 | 26 | 69 | 3.38 | 4.9 | 532.83 | 1 | 20.9 | 118 |
| 2,009.55 | 73,517 | 44 | 140 | 3.80 | 2.7 | 17,972.48 | 9 | 732.0 | 353 |
| 4,609.43 | 226,605 | 72 | 262 | 5.33 | 2.0 | 2,204.84 | 6 | 114.2 | 478 |
| 2,736.23 | 135,495 | 55 | 205 | 4.15 | 2.0 | 5,038.13 | 10 | 304.5 | 652 |
| 4,405.46 | 142,940 | 122 | 98 | 3.01 | 3.1 | 4,976.57 | 12 | 214.2 | 610 |
| 4,123.07 | 103.00 | 86 | 100 | 4.00 | 4.0 | 4,287.57 | 8 | 160.7 | 467 |
| 801.37 | 20,505 | 31 | 55 | 2.15 | 3.9 | ..... | ..... | ..... | 228 |
| 2,805.22 | 73,110 | 75 | 81 | 3.12 | 3.8 | 2,900.69 | 10 | 123.1 | 385 |
| 1,657.90 | 25,682 | 30 | 71 | 4.61 | 6.5 | 90.49 | 1 | 3.5 | 132 |
| 3,704.61 | 116,706 | 97 | 100 | 3.18 | 3.2 | 4,198.45 | 10 | 143.9 | 703 |
| 332.43 | 5,864 | 12 | 41 | 2.31 | 5.7 | ..... | ..... | ..... | 43 |
| 697.24 | 19,821 | 20 | 83 | 2.91 | 3.5 | 3,075.76 | 3 | 82.0 | 100 |
| 818.72 | 33,601 | 11 | 255 | 6.20 | 2.4 | 187.73 | 1 | 5.2 | 80 |
| 1,551.59 | 39,466 | 24 | 137 | 5.39 | 3.9 | ..... | ..... | ..... | 77 |
| 3,736.73 | 151,653 | 60 | 211 | 5.19 | 2.5 | 2,979.57 | 17 | 149.4 | 398 |
| 4,836.72 | 187,236 | 144 | 108 | 2.80 | 2.6 | 4,305.56 | 24 | 195.3 | 725 |
| 1,858.53 | 24,433 | 44 | 46 | 3.52 | 7.6 | ..... | ..... | ..... | 172 |
| 948.07 | 33,729 | 34 | 83 | 2.32 | 2.8 | 257.99 | 2 | 12.1 | 181 |
| 2,443.00 | 64,571 | 73 | 74 | 2.79 | 3.8 | 2,172.43 | 7 | 101.4 | 282 |
| 927.90 | 8,271 | 21 | 33 | 3.68 | 11.1 | ..... | ..... | ..... | 82 |
| 1,284.49 | 23,480 | 33 | 59 | 3.24 | 5.5 | ..... | ..... | ..... | 140 |
| 1,133.89 | 29,761 | 8 | 310 | 11.81 | 3.8 | 374.68 | 2 | 15.5 | 48 |
| 1,026.14 | 38,293 | 36 | 89 | 2.38 | 2.7 | 2,168.29 | 3 | 83.6 | 171 |
| 1,134.57 | 31,998 | 28 | 95 | 3.38 | 3.5 | 1,030.20 | 6 | 57.7 | 143 |
| 17,694.05 | 829,066 | 361 | 192 | 4.08 | 2.1 | 21,185.74 | 30 | 817.7 | 4,795 |
| 5,076.86 | 241,409 | 105 | 192 | 4.03 | 2.1 | 4,818.75 | 15 | 265.6 | 511 |
| 3,309.71 | 105,115 | 83 | 106 | 3.32 | 3.1 | 2,170.01 | 11 | 122.5 | 379 |
| 3,487.74 | 89,203 | 83 | 90 | 3.50 | 3.9 | 3,369.02 | 13 | 139.1 | 480 |

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Distance from nearest generating station supplying system | Domestic service | | | | | |
|------------------------------|--------|-----------------|---|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|-------------------------|
| | | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw.-hr. |
| | | | miles | \$ c. | kw.-hr. | | kw.-hr. | \$ c. | cts. |
| Springfield..... | Nia. | 379 | 151 | 1,656.59 | 50,572 | 98 | 43 | 1.41 | 3.3 |
| Stamford Twp.... | Nia. | ..... | 2 | 51,719.41 | 3,027,973 | 1,645 | 153 | 2.62 | 1.7 |
| Stayner..... | G.B. | 1,042 | 53 | 4,391.43 | 178,622 | 257 | 58 | 1.42 | 2.5 |
| Stirling..... | E.O. | 865 | 19 | 5,346.26 | 291,220 | 268 | 91 | 1.66 | 1.8 |
| Stouffville..... | Nia. | 1,105 | 110 | 7,124.57 | 220,696 | 336 | 55 | 1.77 | 3.2 |
| Sunderland..... | G.B. | P.V. | 44 | 2,335.55 | 43,773 | 112 | 33 | 1.74 | 5.3 |
| Sutton..... | Nia. | 809 | 114 | 7,578.25 | 184,088 | 382 | 40 | 1.66 | 4.7 |
| Tara..... | G.B. | 491 | 34 | 2,632.36 | 56,746 | 127 | 37 | 1.73 | 4.6 |
| Tavistock..... | Nia. | 1,042 | 129 | 6,906.75 | 338,871 | 261 | 108 | 2.21 | 2.0 |
| Teeswater..... | G.B. | 805 | 58 | 4,642.20 | 88,560 | 195 | 38 | 1.98 | 5.2 |
| Thamesford..... | Nia. | P.V. | 136 | 2,428.13 | 101,281 | 121 | 69 | 1.67 | 2.2 |
| Thamesville..... | Nia. | 754 | 207 | 4,003.41 | 143,485 | 219 | 55 | 1.52 | 2.8 |
| Thedford..... | Nia. | 577 | 268 | 3,152.75 | 53,887 | 126 | 36 | 2.09 | 5.9 |
| Thorndale..... | Nia. | P.V. | 136 | 1,432.95 | 36,349 | 62 | 49 | 1.93 | 3.9 |
| Thornton..... | G.B. | P.V. | 58 | 1,151.90 | 13,703 | 55 | 21 | 1.75 | 8.4 |
| Tilbury..... | Nia. | 1,996 | 209 | 6,539.15 | 269,583 | 420 | 53 | 1.36 | 2.4 |
| Toronto Twp.... | Nia. | ..... | 67 | 58,575.37 | 2,969,011 | 1,875 | 132 | 2.60 | 2.0 |
| Tottenham..... | G.B. | 546 | 82 | 3,227.06 | 57,917 | 128 | 38 | 2.10 | 5.6 |
| Trafalgar Twp. No. 1..... | Nia. | ..... | ..... | 14,152.49 | 567,750 | 300 | 158 | 3.93 | 2.5 |
| Trafalgar Twp. No. 2..... | Nia. | ..... | ..... | 4,967.94 | 227,225 | 136 | 139 | 3.04 | 2.2 |
| Tweed..... | E.O. | 1,247 | 41 | 6,324.50 | 127,267 | 249 | 43 | 2.12 | 5.0 |
| Uxbridge..... | G.B. | 1,506 | 60 | 8,019.21 | 275,590 | 354 | 65 | 1.89 | 2.9 |
| Victoria Harbour. | G.B. | 1,171 | 17 | 2,894.43 | 87,006 | 167 | 43 | 1.44 | 3.3 |
| Wardsville..... | Nia. | 214 | 225 | 1,124.76 | 20,931 | 47 | 37 | 1.99 | 5.4 |
| Warkworth..... | E.O. | P.V. | 17 | 2,185.13 | 38,430 | 106 | 30 | 1.72 | 5.7 |
| Waterdown..... | Nia. | 924 | 57 | 5,645.12 | 283,756 | 218 | 108 | 2.16 | 2.0 |
| Waterford..... | Nia. | 1,168 | 94 | 6,575.26 | 380,470 | 306 | 104 | 1.79 | 1.7 |
| Watford..... | Nia. | 956 | 256 | 6,682.44 | 184,390 | 284 | 54 | 1.96 | 3.6 |
| Waubashene.... | G.B. | P.V. | 12 | 2,221.17 | 94,187 | 134 | 52 | 1.38 | 2.4 |
| Wellesley..... | Nia. | P.V. | 111 | 2,706.26 | 82,238 | 121 | 67 | 1.86 | 3.3 |
| Wellington..... | E.O. | 900 | 22 | 4,733.77 | 193,529 | 284 | 57 | 1.36 | 2.4 |
| West Lorne..... | Nia. | 814 | 159 | 3,197.04 | 93,253 | 187 | 41 | 1.42 | 3.5 |
| Westport..... | E.O. | 733 | 71 | 3,198.24 | 49,653 | 96 | 43 | 2.78 | 6.4 |
| Wheatley..... | Nia. | 724 | 279 | 4,427.83 | 122,524 | 171 | 60 | 2.16 | 3.6 |
| Wiarton..... | G.B. | 1,911 | 33 | 8,800.93 | 174,202 | 349 | 42 | 2.10 | 5.1 |
| Williamsburg.... | E.O. | P.V. | 28 | 3,702.03 | 148,431 | 92 | 134 | 3.35 | 2.5 |
| Winchester..... | E.O. | 963 | 38 | 5,870.21 | 276,750 | 277 | 83 | 1.77 | 2.1 |
| Windermere..... | G.B. | 135 | 22 | 2,241.87 | 30,471 | 48 | 53 | 3.89 | 7.3 |
| Wingham..... | G.B. | 1,842 | 70 | 12,512.87 | 400,711 | 504 | 66 | 2.07 | 3.1 |
| Woodbridge..... | Nia. | 744 | 85 | 6,370.89 | 265,476 | 244 | 91 | 2.18 | 2.4 |
| Woodville..... | G.B. | 414 | 40 | 2,291.30 | 58,907 | 110 | 45 | 1.74 | 3.9 |
| Wyoming..... | Nia. | 482 | 239 | 2,647.88 | 57,663 | 132 | 36 | 1.67 | 4.6 |
| Zurich..... | Nia. | P.V. | 168 | 3,176.37 | 78,539 | 124 | 53 | 2.13 | 4.0 |

"D"—Concluded

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1933

VILLAGES AND SUBURBAN AREAS

| Commercial light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|---|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 707.14 | 16,138 | 30 | 45 | 1.96 | 4.4 | 1,060.65 | 3 | 43.6 | 131 |
| 6,593.80 | 390,451 | 111 | 293 | 4.95 | 1.7 | 5,679.88 | 13 | 251.6 | 1,769 |
| 2,642.06 | 90,478 | 83 | 91 | 2.65 | 2.9 | 2,375.56 | 12 | 141.2 | 352 |
| 3,351.71 | 132,205 | 80 | 138 | 3.49 | 2.5 | 2,047.28 | 10 | 91.7 | 358 |
| 2,739.57 | 70,908 | 80 | 74 | 2.85 | 3.8 | 839.91 | 5 | 40.8 | 421 |
| 1,699.71 | 34,980 | 42 | 69 | 3.37 | 4.9 | 55.85 | 1 | 5.0 | 155 |
| 2,981.82 | 92,842 | 84 | 92 | 2.96 | 3.2 | 1,073.01 | 5 | 30.8 | 471 |
| 1,306.32 | 31,430 | 36 | 73 | 3.02 | 4.2 | 690.33 | 4 | 34.4 | 167 |
| 2,051.73 | 83,477 | 68 | 102 | 2.51 | 2.5 | 8,937.52 | 6 | 340.7 | 335 |
| 2,219.12 | 49,019 | 55 | 74 | 3.36 | 4.5 | 1,119.09 | 7 | 49.0 | 257 |
| 1,310.32 | 54,534 | 39 | 117 | 2.80 | 2.4 | 2,979.91 | 7 | 99.0 | 167 |
| 2,756.04 | 86,969 | 71 | 102 | 3.23 | 3.2 | 2,360.70 | 8 | 99.3 | 298 |
| 1,796.45 | 26,689 | 40 | 56 | 3.74 | 6.7 | 1,599.64 | 3 | 41.6 | 169 |
| 920.15 | 23,924 | 24 | 83 | 3.19 | 3.8 | 254.32 | 1 | 5.4 | 87 |
| 637.95 | 7,060 | 18 | 33 | 2.95 | 9.0 | 243.14 | 3 | 12.0 | 77 |
| 6,999.33 | 271,904 | 135 | 168 | 4.32 | 2.6 | 7,118.46 | 12 | 481.3 | 567 |
| 13,743.10 | 583,280 | 188 | 260 | 6.09 | 2.3 | 6,862.46 | 23 | 334.0 | 2,086 |
| 2,100.62 | 26,002 | 54 | 40 | 3.24 | 8.1 | 360.99 | 4 | 15.8 | 186 |
| 640.62 | 15,605 | 2 | 650 | 26.68 | 4.1 | 520.19 | 9 | 27.7 | 311 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 136 |
| 4,460.90 | 90,146 | 92 | 82 | 4.04 | 4.9 | 2,300.91 | 12 | 91.8 | 353 |
| 3,255.12 | 86,327 | 91 | 79 | 2.98 | 3.8 | 931.13 | 10 | 77.6 | 455 |
| 839.09 | 30,470 | 28 | 91 | 2.50 | 2.8 | 171.54 | 2 | 6.0 | 197 |
| 1,075.78 | 21,441 | 21 | 85 | 4.27 | 5.0 | ..... | ..... | ..... | 68 |
| 1,551.15 | 30,735 | 43 | 60 | 3.01 | 5.0 | ..... | ..... | ..... | 149 |
| 1,696.40 | 83,577 | 33 | 211 | 4.28 | 2.0 | 1,660.54 | 7 | 80.2 | 258 |
| 1,766.76 | 102,920 | 73 | 117 | 2.03 | 1.7 | 4,422.87 | 11 | 233.7 | 390 |
| 3,237.14 | 89,970 | 76 | 99 | 3.55 | 3.6 | 2,791.53 | 5 | 95.0 | 365 |
| 630.34 | 20,463 | 25 | 68 | 2.10 | 3.1 | 703.18 | 3 | 25.0 | 162 |
| 1,527.81 | 37,707 | 44 | 71 | 2.89 | 4.0 | 1,773.00 | 5 | 61.7 | 170 |
| 2,067.20 | 63,963 | 64 | 83 | 2.69 | 3.2 | 2,128.95 | 6 | 82.7 | 354 |
| 1,483.82 | 50,569 | 49 | 86 | 2.52 | 2.9 | 1,277.99 | 4 | 60.3 | 240 |
| 2,906.93 | 38,251 | 49 | 65 | 4.94 | 7.6 | ..... | ..... | ..... | 145 |
| 2,717.93 | 70,941 | 57 | 104 | 3.97 | 3.8 | 2,061.76 | 4 | 78.4 | 232 |
| 5,782.47 | 114,652 | 103 | 93 | 4.67 | 4.9 | 3,224.05 | 13 | 103.1 | 465 |
| 7,503.38 | 309,138 | 63 | 409 | 9.93 | 2.4 | 231.98 | 1 | 16.0 | 156 |
| 3,363.90 | 126,890 | 68 | 155 | 4.12 | 2.7 | 1,548.03 | 2 | 38.9 | 347 |
| 1,095.71 | 17,706 | 9 | 164 | 10.14 | 6.1 | ..... | ..... | ..... | 57 |
| 6,933.68 | 193,346 | 143 | 104 | 4.04 | 3.6 | 8,788.87 | 24 | 361.9 | 671 |
| 1,632.47 | 54,654 | 50 | 109 | 2.72 | 3.0 | 5,081.13 | 6 | 242.5 | 300 |
| 1,068.90 | 22,323 | 31 | 60 | 2.87 | 4.8 | 770.18 | 2 | 36.7 | 143 |
| 1,582.19 | 37,524 | 50 | 62 | 2.64 | 4.2 | 152.10 | 2 | 15.0 | 184 |
| 1,860.84 | 40,734 | 46 | 74 | 3.37 | 4.6 | ..... | ..... | ..... | 170 |

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Urban Municipalities Service by the Hydro-Electric Power Commission for the Year 1933

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through the Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, which is an important factor in determining the rates to consumers, is also stated.

Cost of Power to Municipalities

The figures of the first column in the table represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission." In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

From the commencement of its operations, the Commission introduced in the municipalities which it serves, scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

*Except townships served as parts of rural power districts, for which consult latter part of Section III.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The average amount of power sold, per consumer, under these rates is approximately 40 horsepower—consult Statement "D." The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where the load conditions and other circumstances permit, lower rates are available for 10-hour power, and for other forms of restricted service. For these classifications, discounts additional to those listed in the table are applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality C—City T—Town (pop. 2,000 or more) | Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis | Domestic service | | | | | |
|--|---|-----------------------------------|----------------------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Acton..... | 33.95 | 33-66 | 60 | 2.2 | 1.1 | 0.83 | 10 |
| Agincourt..... | 39.38 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Ailsa Craig..... | 51.49 | 33-66 | 55 | 3.5 | 1.5 | 0.83 | 10 |
| Alexandria.....T | 65.41 | 33-66 | 60 | 5 | 2 | 1.11 | 10 |
| Alliston..... | 54.92 | 33-66 | 40 | 4.5 | 2 | 1.39 | 10 |
| Alvinston..... | 88.07 | 33-66 | 60 | 6 | 2 | 2.22 | 10 |
| Amherstburg.....T | 36.42 | 33-66 | 55 | 2.8 | 1.3 | 0.83 | 10 |
| Ancaster twp..... | 32.28 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Apple Hill..... | 57.48 | 33-66 | 60 | 6 | 2 | 1.66 | 10 |
| Arkona..... | 77.26 | 33-66 | 55 | 6 | 2 | 1.94 | 10 |
| Arthur..... | 73.28 | 33-66 | 40 | 6 | 2 | 1.67 | 10 |
| Athens..... | 56.30 | 33-66 | 40 | 6 | 2 | 1.66 | 10 |
| Aylmer.....T | 35.95 | 33-66 | 60 | 2.3 | 1 | 0.83 | 10 |
| Ayr..... | 34.78 | 33-66 | 55 | 3 | 1.25 | 1.11 | 10 |
| Baden..... | 33.56 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Barrie.....T | 34.20 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Bath..... | 77.29 | 33-66 | 40 | 6 | 2 | 3.33 | 10 |
| Beachville..... | 32.86 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Beaverton..... | 43.39 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| Beeton..... | 68.84 | 33-66 | 35 | 7 | 2 | 1.67 | 10 |
| Belle River..... | 40.45 | 33-66 | 55 | 3.2 | 1.3 | 1.11 | 10 |
| Belleville.....C | 36.45 | ..... | 60 | 3 | 1.25 | 0.83 | 10 |
| Blenheim..... | 39.24 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Bloomfield..... | 59.24 | 33-66 | 50 | 3 | 1.5 | 0.83 | 10 |
| Blyth..... | 54.94 | 33-66 | 50 | 4 | 2 | 1.66 | 10 |
| Bolton..... | 41.11 | 33-66 | 55 | 3.5 | 1.6 | 1.11 | 10 |
| Bothwell..... | 47.54 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Bowmanville.....T | 41.19 | 33-33 | 60 | 4.5 | 2 | 0.83 | 10 |
| Bradford..... | 62.44 | 33-66 | 35 | 5.5 | 2 | 1.67 | 10 |
| Brampton.....T | 31.58 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Brantford.....C | 27.28 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Brantford twp..... | 31.93 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| Brechin..... | 51.32 | 33-66 | 45 | 5 | 2 | 1.67 | 10 |
| Bridgeport..... | 37.20 | 33-66 | 50 | 4 | 1.5 | 1.11 | 10 |
| Brigden..... | 62.07 | 33-66 | 60 | 4 | 2 | 1.38 | 10 |
| Brighton..... | 41.84 | 33-66 | 60 | 5 | 2 | 1.11 | 10 |
| Brockville.....T | 33.39 | 33-66 | 50 | 2 | 1 | 0.83 | 10 |
| Brussels..... | 51.86 | 33-33 | 50 | 5 | 2 | 1.66 | 10 |
| Burford..... | 34.55 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| Burgessville..... | 55.18 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |

*To distinguish them from the smaller municipalities and suburban districts the cities are indicated by a C and the towns of population 2,000 or more by a T; corresponding to the grouping in Statement "D."

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”

Domestic Service—Commercial Light Service—Power Service

Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 0.75 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 1 | 1.39 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 7.5 | 6 | 1 | 2.22 | 10 | 59.00 | 1.00 | 7.1 | 4.7 | 0.33 | ..... | ..... | 10 |
| 5 | 2.8 | 0.75 | 0.83 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 7.5 | 6 | 1 | 1.94 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 1.67 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 1.66 | 10 | 60.00 | 1.00 | 7.2 | 4.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.3 | 0.6 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 1.11 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 6 | 1 | 3.33 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 5 | 3 | 0.75 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 1 | 1.11 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 7 | 1 | 1.67 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 3.2 | 0.75 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.66 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 2 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5 | 5.5 | 1 | 1.67 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| ..... | †3.5 | 0.35 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | ††1.75 | 0.75 | 1.11 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 1 | 1.67 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 0.75 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.38 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |

†First 30 hours per kw-hr.

††Next 70 hours per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|--|--|--------------------------|----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| C—City T—Town (pop. 2,000 or more) | | | | | | | |
| Caledonia..... | \$ c. 32.38 | cents 33-66 | 60 | cents 2.5 | cents 1.25 | \$ c. 0.83 | % 10 |
| Campbellville..... | 62.90 | 33-66 | 40 | 6 | 2 | 2.22 | 10 |
| Cannington..... | 43.54 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Cardinal..... | 41.65 | 33-66 | 50 | 3.5 | 2 | 1.39 | 10 |
| Carleton Place.....T | 37.06 | 33-66 | 50 | 3.5 | 2 | 0.83 | 10 |
| Cayuga..... | 53.88 | 33-66 | 45 | 5 | 2 | 1.66 | 10 |
| Chatham.....C | 31.03 | 33-66 | 60 | 2.5 | 1.1 | 0.83 | 10 |
| Chatsworth..... | 48.16 | 33-66 | 40 | 5.5 | 2 | 1.67 | 10 |
| Chesley..... | 37.54 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Chesterville..... | 43.07 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Chippawa..... | 25.87 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| Clifford..... | 67.08 | 33-66 | 50 | 5 | 2 | 1.66 | 10 |
| Clinton..... | 39.01 | 33-66 | 60 | 2.5 | 1.5 | 1.11 | 10 |
| Cobourg.....T | 40.91 | 33-66 | 50 | 3.7 | 2 | 0.83 | 10 |
| Colborne..... | 40.96 | 33-66 | 60 | 5 | 2 | 0.83 | 10 |
| Coldwater..... | 42.92 | 33-66 | 55 | 2.5 | 1.25 | 1.11 | 10 |
| Collingwood.....T | 41.11 | 33-66 | 55 | 2.5 | 1 | 0.83 | 10 |
| Comber..... | 48.97 | 33-66 | 50 | 4 | 2 | 1.38 | 10 |
| Cookstown..... | 52.79 | 33-66 | 35 | 7 | 2 | 1.67 | 10 |
| Cottam..... | 43.96 | 33-66 | 50 | 4 | 2 | 1.66 | 10 |
| Courtright..... | 80.29 | 33-66 | 50 | 6 | 2 | 2.22 | 10 |
| Creemore..... | 57.27 | 33-66 | 45 | 5 | 2 | 1.66 | 10 |
| Dashwood..... | 53.06 | 33-66 | 45 | 4.5 | 2 | 1.11 | 10 |
| Delaware..... | 38.75 | 33-66 | 50 | 3.5 | 2 | 1.11 | 10 |
| Deseronto..... | 59.37 | 33-66 | 50 | 5 | 2 | 1.11 | 10 |
| Dorchester..... | 41.94 | 33-66 | 60 | 2.5 | 1.4 | 0.83 | 10 |
| Drayton..... | 63.71 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Dresden..... | 44.87 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| Drumbo..... | 41.97 | 33-66 | 50 | 4 | 1.5 | 1.11 | 10 |
| Dublin..... | 60.93 | 33-66 | 60 | 6 | 2 | 1.67 | 10 |
| Dundalk..... | 39.82 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Dundas.....T | 27.09 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Dunnville.....T | 30.55 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Durham..... | 42.47 | 33-66 | 50 | 2.5 | 1.25 | 0.83 | 10 |
| Dutton..... | 37.29 | 33-66 | 60 | 2.3 | 1.1 | 0.83 | 10 |
| East Windsor.....C | 32.37 | ..... | 60 | 3.6 | 1.2 | 0.83 | 10 |
| East York twp..... | 32.29 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |
| Elmira.....T | 35.88 | 33-66 | 60 | 3 | 1.25 | 0.83 | 10 |
| Elmvale..... | 40.99 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Elmwood..... | 43.23 | 33-66 | 45 | 5 | 2 | 1.39 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | | | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | | | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | | | 10 |
| 5 | 3.5 | 1 | 1.39 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | min. 3.33 | | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | | | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | | | 10 |
| 5 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | | 10 | 10 |
| 5 | 5.5 | 1 | 1.67 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | | | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | | | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | | | 10 |
| 5 | 2.5 | 0.75 | 1.11 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | | | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | | | 10 |
| 5 | 2.5 | 1 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | | | 10 |
| 5 | 3.7 | 1 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | | 10 | 10 |
| 5 | 5 | 1 | 0.83 | 10 | 39.00 | 1.00 | 4.1 | 2.7 | 0.33 | | | 10 |
| 5 | 2.5 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | | | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | | 10 | 10 |
| 5 | 4 | 1 | 1.38 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | | | 10 |
| 5 | 7 | 1 | 1.67 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | | | 10 |
| 5 | 4 | 1 | 1.66 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | min. 2.22 | | 10 |
| 7.5 | 6 | 1 | 2.22 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | | | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | | | 10 |
| 5 | 4.8 | 1 | 1.11 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | | | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | | | 10 |
| 5 | 5 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | | | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | | | 10 |
| 5 | 3.5 | 0.75 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | | | 10 |
| 5 | 2.5 | 0.75 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | | | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 44.00 | 1.00 | 4.8 | 3.2 | 0.33 | | | 10 |
| 5 | 6 | 1 | 1.67 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | | | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | | | 10 |
| 5 | 2 | 0.6 | 0.83 | 10 | 19.00 | 1.00 | 2 | 1.4 | 0.33 | | 25 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | | 10 | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | | 10 | 10 |
| 5 | 2.3 | 0.75 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | | 10 | 10 |
| 5 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | | 10 | 10 |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | | 10 | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | | | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | | | 10 |
| 5 | 5 | 1 | 1.39 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | | | 10 |

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|--|--|--------------------------|----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| C—City T—Town (pop. 2,000 or more) | | | | | | | |
| Elora..... | \$ c. 37.85 | cents 33-66 | 55 | cents 3 | cents 1.5 | \$ c. 1.11 | % 10 |
| Embro..... | 45.68 | 33-66 | 55 | 3.2 | 1.5 | 1.67 | 10 |
| Erieau..... | 53.58 | 33-66 | 45 | 5 | 2 | 1.67 | 10 |
| Erie Beach..... | 65.98 | 33-66 | 50 | 7 | 2 | 1.94 | 10 |
| Essex..... | 36.06 | 33-66 | 60 | 2.5 | 1.2 | 0.83 | 10 |
| Etobicoke twp..... | 28.08 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |
| Exeter..... | 39.54 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Fergus..... | 37.38 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Finch..... | 65.53 | 33-66 | 40 | 4 | 2 | 1.66 | 10 |
| Flesherton..... | 46.92 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Fonthill..... | 33.59 | 33-66 | 55 | 3 | 1.5 | 1.38 | 10 |
| Forest..... | 46.44 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Fort William.....C | 26.82 | 33-66 | 50 | 2.5 | 1 | 0.83 | 10 |
| Galt.....C | 28.80 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Gamebridge..... | ..... | 33-66 | 45 | 5 | 2 | 1.67 | 10 |
| Georgetown.....T | 36.85 | 33-66 | 60 | 2.2 | 1.1 | 0.83 | 10 |
| Glencoe..... | 57.68 | 33-66 | 55 | 3.5 | 2 | 1.11 | 10 |
| Glen Williams..... | ..... | 33-66 | 60 | 3 | 1.5 | 0.83 | 10 |
| Goderich.....T | 43.37 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Grand Valley..... | 56.59 | 33-66 | 45 | 5 | 2 | 1.39 | 10 |
| Granton..... | 54.67 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Gravenhurst..... | 25.14 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Guelph.....C | 28.96 | 33-33 | 60 | 2 | 1 | 0.83 | 10 |
| Hagersville..... | 35.50 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Hamilton.....C | 25.84 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Hanover.....T | 33.98 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Harriston..... | 47.31 | 33-66 | 55 | 4 | 1.5 | 1.11 | 10 |
| Harrow..... | 39.01 | 33-66 | 55 | 2.8 | 1.3 | 0.83 | 10 |
| Hastings..... | 50.75 | 33-66 | 45 | 5 | 2 | 1.94 | 10 |
| Havelock..... | 52.26 | 33-66 | 50 | 5 | 2 | 0.83 | 10 |
| Hensall..... | 52.63 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Hespeler.....T | 29.14 | 33-66 | 60 | 2.7 | 1.5 | 0.83 | 10 |
| Highgate..... | 46.73 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Holstein..... | 115.90 | 33-66 | 60 | 9 | 5 | 1.67 | 10 |
| Humberstone..... | 29.30 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Huntsville.....T | 31.51 | 33-66 | 55 | 2.5 | 1.25 | 0.83 | 10 |
| Ingersoll.....T | 30.71 | 33-66 | 60 | 2 | 1.2 | 0.83 | 10 |
| Jarvis..... | 45.79 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Kemptville..... | 41.78 | 33-66 | 50 | 3.5 | 2 | 0.83 | 10 |
| Kincardine.....T | 52.59 | 33-66 | 40 | 4 | 2 | 1.11 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 3 | 0.75 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 3.2 | 1 | 1.67 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | min. 2.22 | ..... | 10 |
| 5 | 7 | 1 | 1.94 | 10 | 60.00 | 1.00 | 7.2 | 4.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.94 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 1.38 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 0.75 | 1.11 | 10 | 42.00 | 1.00 | 4.6 | 3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 22.00 | 1.00 | 1.75 | 1 | 0.1 | ..... | ..... | 10 |
| 5 | 2.5 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.39 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 1 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5 | †3.5 | 0.35 | 0.83 | 10 | 20.00 | 1.00 | 1.67 | 1.11 | 0.133 | ..... | 10 | 10 |
| 5 | ††1.75 | | | | | | | | | | | |
| 5 | 3 | 1 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 2.8 | 1 | 0.83 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 2 | 1.94 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.7 | 0.75 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 9 | 5 | 1.67 | 10 | 74.00 | 1.00 | 9.3 | 6.2 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 4 | 0.75 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |

†First 30 hours per kw-hr.

††Next 70 hours per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|--|--|--------------------------|----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| C—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Kingston.....C | 24.00-36.00 | 33-66 | 50 | 2 | 1 | 0.83 | 10 |
| Kingsville.....T | 38.85 | 33-66 | 55 | 2.8 | 1.2 | 0.83 | 10 |
| Kirkfield..... | 63.77 | 33-66 | 40 | 6 | 2 | 2.22 | 10 |
| Kitchener.....C | 28.16 | 33-66 | 60 | 2 | 1.2 | 0.83 | 10 |
| Lakefield..... | 47.65 | 33-66 | 50 | 3 | 2 | 0.83 | 10 |
| Lambeth..... | 41.46 | 33-66 | 50 | 3.5 | 1.5 | 1.11 | 10 |
| Lanark..... | 50.16 | 33-66 | 50 | 4 | 2 | 0.83 | 10 |
| Lancaster..... | 89.33 | 33-66 | 60 | 6 | 2 | 1.94 | 10 |
| La Salle..... | 35.60 | 33-66 | 50 | 3.5 | 1.75 | 1.11 | 10 |
| Leamington.....T | 38.42 | 33-66 | 55 | 2.6 | 1.25 | 0.83 | 10 |
| Leaside..... | ..... | *3 | .. | **2 | 1.5 | 0.83 | 10 |
| Lindsay.....T | 42.46 | 33-66 | 40 | 3 | 1.5 | 0.83 | 10 |
| Listowel.....T | 38.80 | 33-66 | 60 | 2.5 | 1.25 | 1.11 | 10 |
| London.....C | 27.02 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| London twp..... | 34.03 | 33-66 | 55 | 2.8 | 1.3 | 1.11 | 10 |
| Long Branch.....T | 29.74 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |
| Lucan..... | 38.61 | 33-66 | 55 | 3.2 | 1.3 | 1.11 | 10 |
| Lucknow..... | 59.68 | 33-66 | 45 | 4.5 | 2 | 1.67 | 10 |
| Lynden..... | 39.21 | 33-66 | 55 | 3.5 | 1.5 | 1.38 | 10 |
| Madoc..... | 49.36 | 33-66 | 50 | 4 | 2 | 0.83 | 10 |
| Markdale..... | 37.91 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Markham..... | 41.55 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Marmora..... | 50.43 | 33-66 | 60 | 5 | 2 | 1.11 | 10 |
| Martintown..... | 51.40 | 33-66 | 40 | 6 | 2 | 1.66 | 10 |
| Maxville..... | 64.42 | 33-66 | 60 | 6 | 2 | 1.66 | 10 |
| Meaford.....T | 44.97 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Merlin..... | 47.42 | 33-66 | 50 | 4.5 | 2 | 1.11 | 10 |
| Merritton.....T | 23.90 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Midland.....T | 33.54 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Mildmay..... | 46.69 | 33-66 | 40 | 5 | 2 | 1.67 | 10 |
| Milton..... | 36.95 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Milverton..... | 36.84 | 33-66 | 60 | 3 | 1.5 | 1.11 | 10 |
| Mimico.....T | 26.84 | 33-66 | 60 | 2.4 | 1.2 | 0.83 | 10 |
| Mitchell..... | 34.34 | 33-33 | 60 | 2.5 | 1.5 | 0.83 | 10 |
| Moorefield..... | 66.06 | 33-66 | 50 | 4.5 | 2 | 1.39 | 10 |
| Mount Brydges..... | 41.66 | 33-66 | 55 | 2.8 | 1.3 | 1.11 | 10 |
| Mount Forest..... | 47.18 | 33-66 | 60 | 2.25 | 1.25 | 0.83 | 10 |
| Napanee.....T | 39.05 | 33-66 | 50 | 3.8 | 2 | 0.83 | 10 |
| Neustadt..... | 111.65 | 33-66 | 60 | 8 | 2 | 1.67 | 10 |
| Newbury..... | 53.77 | 33-66 | 45 | 5 | 2 | 1.38 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*Service charge per 100 sq. ft.

**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 2 | 0.75 | 0.83 | 10 | 20.00 | 1.00 | 1.5 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 2.8 | 0.75 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 19.00 | 1.00 | 2 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 60.00 | 1.00 | 7.2 | 4.8 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.78 | 10 | 69.00 | 1.00 | 8.6 | 5.7 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5 | 2.6 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| ..... | \$4 & 2 | 1 | 0.83 | 10 | 23.28 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 2.8 | 0.75 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5 | 3.2 | 0.75 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 1 | 1.67 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1.5 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 1 | 1.11 | 10 | 37.00 | 1.00 | 3.8 | 2.5 | 0.33 | min. 2.22 | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 2 | 1 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2.4 | 0.6 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 1 | 1.11 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.8 | 0.75 | 1.11 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2.25 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.8 | 1 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 8 | 1 | 1.67 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.38 | 10 | 53.00 | 1.00 | 6.2 | 4.1 | 0.33 | ..... | ..... | 10 |

§First 70 hours 4 cents per kw-hr.

Next 70 hours 2 cents per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|--|--|--------------------------|----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| C—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| New Hamburg..... | 34.96 | 33-66 | 60 | 3 | 1.5 | 0.83 | 10 |
| New Toronto.....T | 29.56 | 33-66 | 60 | 2 | 1.1 | 0.83 | 10 |
| Niagara Falls.....C | 21.78 | 33-66 | 60 | 2 | 1 | 0.92 | 10 & 10 |
| Niagara-on-the-Lake.. | 27.81 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Nipigon twp..... | 37.43 | 33-66 | 55 | 3.5 | 1.25 | to 1.11 1.39 | 10 |
| North York twp..... | 32.43 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Norwich..... | 35.68 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Norwood..... | 42.90 | 33-66 | 50 | 5 | 2 | 1.11 | 10 |
| Oil Springs..... | 42.69 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Omeme..... | ..... | 33-66 | 60 | 4 | 2 | 1.11 | 10 |
| Orangeville.....T | 47.74 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Oshawa.....C | 40.46 | 33-66 | 40 | 3.5 | 1.5 | 0.83 | 10 |
| Ottawa.....C | 14.82 | 33-66 | { 60 60 1 } | { 2 2 1 } | 0.5 | 0.83 | 10 |
| Otterville..... | 48.11 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Owen Sound.....C | 34.00 | 33-66 | 60 | 2.5 | 1 | 0.83 | 10 |
| Paisley..... | 59.14 | 33-66 | 45 | 5 | 2 | 1.67 | 10 |
| Palmerston..... | 41.79 | 33-66 | 60 | 2.7 | 1.5 | 1.11 | 10 |
| Paris.....T | 29.25 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Parkhill..... | 62.82 | 33-66 | 50 | 4.5 | 2 | 1.38 | 10 |
| Penetanguishene...T | 37.97 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Perth.....T | 34.34 | 33-66 | 55 | 3 | 1 | 0.83 | 10 |
| Peterborough.....C | 33.36 | 33-66 | 50 | 2.5 | 1.25 | 0.83 | 10 |
| Petrolia.....T | 38.44 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Pictou.....T | 47.83 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Plattsville..... | 52.99 | 33-66 | 45 | 5 | 2 | 1.66 | 10 |
| Point Edward..... | 38.20 | ..... | 60 | 3.7 | 1.3 | 0.83 | 10 |
| Port Arthur.....C | 26.28 | 33-66 | 30 | 2 | 1 | 0.83 | 10 & 10 |
| Port Colborne.....T | 28.57 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Port Credit..... | 35.28 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |
| Port Dalhousie..... | 31.18 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |
| Port Dover..... | 36.89 | 33-66 | 50 | 3 | 1.25 | 1.11 | 10 |
| Port Elgin..... | 40.06 | 33-66 | 40 | 3.5 | 2 | 1.39 | 10 |
| Port Hope.....T | 41.45 | 33-66 | 60 | 3.5 | 2 | 0.83 | 10 |
| Port McNicoll..... | 39.02 | 33-66 | 50 | 3.5 | 1.5 | 0.83 | 10 |
| Port Perry..... | 52.43 | 33-66 | 50 | 3.5 | 1.5 | 1.11 | 10 |
| Port Rowan..... | 60.63 | 33-66 | 60 | 6 | 2 | 1.66 | 10 |
| Port Stanley..... | 38.15 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Prescott.....T | 33.07 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Preston.....T | 28.31 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Priceville..... | 66.84 | 33-66 | 60 | 8 | 2 | 1.67 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 3 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 2 | 0.35 | 0.88 | 15 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | min. 2.00 | ..... | 10 |
| 5 | 3.5 | 1 | 1.39 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 0.75 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.11 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 37.00 | 1.00 | 3.8 | 2.5 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| ..... | †5 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.8 | 1.2 | 0.15 | ..... | 15 | 10 |
| 5 | †2.2 | | | | | | | | | | | |
| 5 | 3 | 1 | 1.11 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.7 | 1 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 4.5 | 1 | 1.38 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.66 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | min. 2.00 | ..... | 10 |
| 5 | 2.8 | 0.75 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 & 10 | 22.00 | 1.00 | 1.75 | 1 | 0.1 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.75 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 2 | 1.66 | 10 | 60.00 | 1.00 | 7.2 | 4.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 37.00 | 1.00 | 3.8 | 2.5 | 0.33 | min. 1.11 | ..... | 10 |
| 5 | 2 | 1 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 19.00 | 1.00 | 2 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5 | 8 | 1 | 1.67 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |

†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1933, in Urban Municipalities

| Municipality C—City T—Town (pop. 2,000 or more) | Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis | Domestic service | | | | | |
|--|---|-----------------------------------|----------------------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Princeton..... | 47.20 | 33-66 | 50 | 3.5 | 2 | 1.66 | 10 |
| Queenston..... | 28.63 | 33-66 | 65 | 3 | 1.5 | 1.38 | 10 |
| Richmond..... | 58.21 | 33-66 | 35 | 6 | 2 | 1.95 | 10 |
| Richmond Hill..... | 31.37 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Ridgetown..... | 38.90 | 33-66 | 60 | 2.2 | 1.25 | 0.83 | 10 |
| Ripley..... | 76.33 | 33-66 | 50 | 7 | 2 | 1.67 | 10 |
| Riverside.....T | 34.61 | ..... | 55 | 4.2 | 1.5 | 0.83 | 10 |
| Rockwood..... | 42.52 | 33-66 | 60 | 2.7 | 1.25 | 1.11 | 10 |
| Rodney..... | 49.31 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Rosseau..... | 109.17 | *33 | .. | 8 | 2 | *2.22 | 10 |
| Russell..... | 63.84 | 33-66 | 50 | 6 | 2 | 1.39 | 10 |
| St. Catharines.....C | 24.02 | 33-66 | 30-60 | 2 | 1 | 0.83 | 10 |
| St. Clair Beach..... | 40.54 | ..... | 55 | 5.2 | 1.75 | 1.66 | 10 |
| St. George..... | 41.14 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| St. Jacobs..... | 35.52 | 33-66 | 60 | 3 | 1.5 | 1.11 | 10 |
| St. Marys.....T | 36.51 | 33-66 | 60 | 2.5 | 1.5 | 1.11 | 10 |
| St. Thomas.....C | 28.47 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Sandwich.....T | 32.58 | ..... | 60 | 3.6 | 1.2 | 0.83 | 10 |
| Sarnia.....C | 33.41 | ..... | 60 | 3.5 | 1.1 | 0.83 | 10 |
| Scarboro twp..... | 31.38 | 33-33 | 60 | 2.6 | 1.3 | 0.83 | 10 |
| Seaforth..... | 36.66 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Shelburne..... | 48.19 | 33-66 | 50 | 3 | 1.5 | 1.11 | 10 |
| Simcoe.....T | 30.33 | 33-66 | 60 | 2 | 1.25 | 0.83 | 10 |
| Smiths Falls.....T | 31.86 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Southampton..... | 39.28 | 33-66 | 40 | 3.5 | 2 | 1.39 | 10 |
| Springfield..... | 50.17 | 33-66 | 55 | 3.5 | 1.5 | 1.11 | 10 |
| Stamford twp..... | 22.48 | 33-66 | 60 | 2.25 | 1.25 | 0.83 | 10 |
| Stayner..... | 43.16 | 33-66 | 55 | 2.5 | 1.25 | 0.83 | 10 |
| Stirling..... | 33.62 | 33-66 | 45 | 2.5 | 1.25 | 0.83 | 10 |
| Stouffville..... | 45.95 | 33-66 | 55 | 3.2 | 1.5 | 1.11 | 10 |
| Stratford.....C | 30.38 | 33-66 | 60 | 2.3 | 1.25 | 0.83 | 10 |
| Strathroy.....T | 32.48 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Sunderland..... | 61.12 | 33-66 | 45 | 5 | 2 | 1.39 | 10 |
| Sutton..... | 53.99 | 33-33 | 50 | 4 | 2 | 1.11 | 10 |
| Tara..... | 46.27 | 33-66 | 40 | 4 | 2 | 1.11 | 10 |
| Tavistock..... | 36.35 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Tecumseh.....T | 38.46 | ..... | 55 | 4.7 | 1.75 | 1.11 | 10 |
| Teeswater..... | 58.13 | 33-66 | 60 | 5 | 2 | 1.67 | 10 |
| Thamesford..... | 41.53 | 33-66 | 60 | 2.4 | 1.2 | 1.11 | 10 |
| Thamesville..... | 40.36 | 33-66 | 55 | 3 | 1.25 | 0.83 | 10 |
| Thedford..... | 66.36 | 33-66 | 50 | 6 | 2 | 1.66 | 10 |
| Thorndale..... | 65.17 | 33-66 | 50 | 4 | 2 | 1.38 | 10 |
| Thornton..... | 70.45 | 33-66 | 60 | 8 | 2 | 1.67 | 10 |
| Thorold.....T | 25.66 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Tilbury..... | 39.42 | 33-66 | 60 | 2.2 | 1.2 | 0.83 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*According to consumers' demand.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Service by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 3.5 | 1 | 1.66 | 10 | 42.00 | 1.00 | 4.6 | 3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.38 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 2.22 | 10 | 60.00 | 1.00 | 7.2 | 4.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.75 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5 | 7 | 1 | 1.67 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.8 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.7 | 0.75 | 1.11 | 10 | 42.00 | 1.00 | 4.6 | 3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 8 | 2 | *2.22 | 10 | 58.00 | 1.00 | 6.9 | 4.6 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.94 | 10 | 56.00 | 1.00 | 6.6 | 4.4 | 0.33 | ..... | ..... | 10 |
| ..... | †3.5 | 0.35 | 0.83 | 10 | 17.00 | 1.00 | 1.67 | 1.13 | 0.16 | ..... | 25 | 10 |
| | ††1.75 | | | | | | | | | | | |
| 5 | 4 | 1 | 1.66 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 1.11 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 2.4 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5 | 2.4 | 0.6 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8* | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 42.00 | 1.00 | 4.6 | 3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.25 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 3.2 | 1 | 1.11 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | ..... | ..... | 10 |
| 5 | 2.3 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.39 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 0.8 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.4 | 0.75 | 1.11 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 0.75 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 7.5 | 6 | 1 | 1.66 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.38 | 10 | 48.00 | 1.00 | 5.4 | 3.6 | 0.33 | ..... | ..... | 10 |
| 5 | 8 | 1 | 1.67 | 10 | 58.00 | 1.00 | 6.9 | 4.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 25 | 10 |
| 5 | 2.2 | 0.75 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |

†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

¶Next 260 hours per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1933, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis | Domestic service | | | | | |
|--|---|-----------------------------------|----------------------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hr. per month | Per kw-hr. per month | | | |
| C—City T—Town (pop. 2,000 or more) | | | | | | | |
| Tillsonburg.....T | \$ c. 33.89 | cents 33-66 | 60 | cents 2 | cents 1.2 | \$ c. 0.83 | % 10 |
| Toronto.....C | 26.59 | *3 | .. | **2 | 1 | 0.83 | 10 |
| Toronto twp..... | 31.91 | 33-66 | 55 | 2.7 | 1.3 | 1.11 | 10 |
| Tottenham..... | 84.78 | 33-66 | 30 | 7 | 2 | 1.67 | 10 |
| Trafalgar twp., Area 1 | ..... | 55 | 60 | 3.5 | 2 | 1.11 | 10 |
| Trafalgar twp., Area 2 | ..... | 44-66 | 55 | 3.5 | 2 | 1.38 | 10 |
| Trenton.....T | 30.99 | 33-66 | 50 | 3.5 | 1.5 | 0.83 | 10 |
| Tweed..... | 63.00 | 33-33 | 60 | 5.5 | 2 | 1.11 | 10 |
| Uxbridge..... | 54.46 | 33-66 | 50 | 3.5 | 1.5 | 1.11 | 10 |
| Victoria Harbour..... | 42.74 | 33-66 | 55 | 3 | 1.5 | 1.11 | 10 |
| Walkerton.....T | 36.02 | 33-66 | 50 | 3.5 | 2 | 1.11 | 10 |
| Walkerville.....T | 29.55 | ..... | 60 | 3.6 | 1.2 | 0.83 | 10 |
| Wallaceburg.....T | 37.45 | 33-66 | 60 | 2.5 | 1.2 | 0.83 | 10 |
| Wardsville..... | 61.68 | 33.66 | 40 | 6 | 2 | 1.66 | 10 |
| Warkworth..... | 52.06 | 33-66 | 50 | 5 | 2 | 1.55 | 10 |
| Waterdown..... | 32.60 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Waterford..... | 31.57 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Waterloo.....T | 28.88 | 33-66 | 60 | 2 | 1.25 | 0.83 | 10 |
| Watford..... | 50.77 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Waubashene..... | 43.66 | 33-66 | 55 | 2.5 | 1.25 | 1.11 | 10 |
| Welland.....C | 24.65 | 33-66 | 60 | 2.2 | 1.1 | 0.83 | 10 |
| Wellesley..... | 49.86 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Wellington..... | 46.70 | 33-66 | 50 | 2.5 | 1.25 | 0.83 | 10 |
| West Lorne..... | 40.51 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Weston.....T | 27.27 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Westport..... | 78.25 | 33-66 | 30 | 7 | 2 | 2.78 | 10 |
| Wheatley..... | 53.39 | 33-66 | 50 | 4 | 1.5 | 1.39 | 10 |
| Whitby.....T | 39.92 | 33-66 | 60 | 3 | 1.25 | 0.94 | 20 |
| Warton..... | 69.21 | 33-66 | 40 | 5 | 2 | 1.67 | 10 |
| Williamsburg..... | 36.21 | 33-66 | 60 | 3 | 2 | 1.39 | 10 |
| Winchester..... | 40.09 | 33-66 | 60 | 2.5 | 1.25 | 0.83 | 10 |
| Windsor.....C | 66.41 | †33 | .. | 8 | 2 | †2.22 | 10 |
| Windsor.....C | 29.38 | ..... | 60 | 3.6 | 1.2 | 0.83 | 10 |
| Wingham.....T | 61.38 | 33-66 | 45 | 4 | 1.5 | 1.11 | 10 |
| Woodbridge..... | 34.32 | 33-66 | 55 | 3 | 1.5 | 0.83 | 10 |
| Woodstock.....C | 28.81 | 33-66 | 60 | 2 | 1 | 0.83 | 10 |
| Woodville..... | 56.78 | 33-66 | 50 | 4 | 2 | 1.11 | 10 |
| Wyoming..... | 52.61 | 33-66 | 50 | 4.5 | 2 | 1.38 | 10 |
| York tp. (inc. Swansea and Forest Hill).... | ..... | 33-66 | 60 | 2 | 1.3 | 0.83 | 10 |
| Zurich..... | 65.43 | 33-66 | 50 | 4.5 | 2 | 1.38 | 10 |

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*Service charge per 100 sq. ft.

**Per kw-hr. for first 3-kw-hr. per 100 sq. ft.

“E”—Concluded

Domestic Service—Commercial Light Service—Power Service
Served by the Hydro-Electric Power Commission

| Commercial light service | | | | | Power light service | | | | | | | |
|---|-------------------------------------|---------------------------|----------------------------|-------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---------------------------|---------------------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All-additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hr. per month per kw-hr. | Second 50 hr. per month per kw-hr. | All-additional per kw-hr. | Minimum or maximum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5 | 2 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | | 10 | 10 |
| ..... | \$4&2 | 1 | 0.83 | 10 | ..... | D.C.a | 2.5 | 1.25 | 0.60 | ..... | ..... | 10 |
| 5 | 2.7 | 0.7 | 1.11 | 10 | 23.00 | A.C.b | 1.5 | 0.75 | 0.33 | ..... | ..... | 10 |
| 5 | 7 | 1 | 1.67 | 10 | 45.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| ..... | †8 | 1 | 1.11 | 10 | 37.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| | ††4 | | | | | | 3.5 | 2.3 | 1 | ..... | ..... | 10 |
| 5 | 3.5 | 1.5 | 1.38 | 10 | 38.00 | 1.00 | 3.5 | 2.3 | 1.5 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 5.5 | 1 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5 | 3.5 | 1 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 2.5 | 0.7 | 0.83 | 10 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 6 | 1 | 1.66 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.55 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.75 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1 | 0.33 | ..... | 10 | 10 |
| 5 | 2.25 | 1 | 0.83 | 10 | 19.00 | 1.00 | 2 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2 | 0.33 | ..... | ..... | 10 |
| 5 | 2.2 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5 | 7 | 1 | †2.78 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 4 | 1 | 1.39 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.6 | 3 | 1 | 0.94 | 20 | 25.00 | 1.00 | 2 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5 | 5 | 1 | 1.67 | 10 | 43.00 | 1.00 | 4.7 | 3.1 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 1.39 | 10 | 55.00 | 1.00 | 6.5 | 4.3 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 1 | 0.83 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | min. 2.22 | ..... | 10 |
| 5 | 8 | 2 | †2.22 | 10 | 58.00 | 1.00 | 6.9 | 4.6 | 0.33 | ..... | ..... | 10 |
| 5 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 38.00 | 1.00 | 4 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5 | 3 | 1 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5 | 2 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5 | 4 | 1 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5 | 4.5 | 1 | 1.38 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| 5 | 2 | 0.75 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5 | 4.5 | 1 | 1.38 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | min. 2.77 | ..... | 10 |

†First 30 hours per kw-hr.

§First 70 hours, 4 cents per kw-hr.

††Next 70 hours per kw-hr.

Next 70 hours, 2 cents per kw-hr.

††According to consumers' demand.

a. D.C. Service charge \$1.35 per h.p. for first 10 h.p., plus \$1.00 per h.p., for additional h.p.
b. A.C. Service charge \$1.25 per h.p. for first 10 h.p., plus \$1.00 per h.p. for additional h.p.

ADDENDA

PAGE

- 296 Brantford "Debenture balance" includes a balance of
\$158,000.00 on purchase agreement.
- 303 Hamilton "Other liabilities" includes a balance of
\$1,812,500.00 on purchase agreement.
- 342 Brantford, the statement includes earnings and expenses
from other plants.

APPENDIX I

ACTS

CHAPTER 47

An Act to amend The Power Commission Act.

Assented to April 18th, 1933.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Power Commission Act, 1933.*

Short title.

2. Section 43a of *The Power Commission Act* as enacted by section 7 of *The Power Commission Act, 1930*, is repealed and the following substituted therefor:

Rev. Stat.,
c. 57, s. 43a
(1930),
c. 12, s. 7),
re-enacted.

43a.—(1) Where under the authority of the Lieutenant-Governor in Council, the Commission has acquired or constructed, is in the process of acquiring or constructing or may hereafter acquire or construct works for the generation, transmission or distribution of electric power or energy, wholly or partly in anticipation of a future demand for power in any of the territorial districts of the Province as set forth in *The Territorial Division Act*, and His Majesty and the Commission have entered into an agreement in relation thereto as provided in subsection 2, such works shall be held by the Commission in trust for His Majesty in right of the Province of Ontario.

When title
to under-
takings in
territorial
districts to
be in the
Crown.

Rev. Stat.,
c. 3.

(2) His Majesty the King may enter into an agreement or agreements with the Commission, relating to any or all of the works mentioned in subsection 1, providing for payment to the Commission out of the Consolidated Revenue Fund of the Province the amounts from time to time by which the

Agreements
between the
Crown and
the Commis-
sion as to
undertakings
in territorial
districts.

revenues which have been or may hereafter be derived from such works are or may be insufficient to meet in full the annual costs and charges in connection therewith as determined by the Commission, including the items set forth in clauses *a*, *b* and *c* of section 56; and such agreement or agreements when executed by the President of the Executive Council representing His Majesty and the Commission shall be valid and binding on the Province and the Commission respectively.

Terms of
agreements.

- (3) Such agreement or agreements may provide the time and manner of such payments, the works in respect of which such payments are to be made, the rates of interest on any sums so paid and the repayment of the same out of any surplus thereafter arising from the revenue derived from such works and generally such other matters, things and conditions as may be necessary or incidental thereto.

Union of
under-
takings.

- (4) For the purposes of this section all of such works may be treated as one or more units as the Commission may from time to time determine.

Municipal
contracts.

- (5) The Commission may contract with any municipal corporation or person for the supply of electric power or energy from such works at such rates and upon such terms and conditions as the Commission may deem proper.

By-law
No. 860 of
Town of
Oakville,
confirmed.

3. By-law number 860 of the corporation of the town of Oakville and agreement dated the 1st day of November, 1932, between the said corporation and the Commission authorized by and referred to in said by-law as schedule 1 thereto, are hereby ratified and confirmed and declared to be legal, valid and binding upon the said corporation and the ratepayers thereof, and upon the Commission, its successors and assigns.

By-laws
confirmed.

4. By-law number 584 of the corporation of the village of Colborne; by-law number 10 of the corporation of the village of Mildmay, and all debentures issued or to be issued or purporting to be issued under any of the said by-laws which authorize the issue of debentures are confirmed and declared to be legal, valid and binding upon such corporations and ratepayers thereof respectively and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Power Commission Act* or the amendments thereto or any other general or special Act.

Rev. Stat.,
c. 57.

Commence-
ment of Act.

5. This Act shall come into force on the day upon which it receives the Royal Assent.

CHAPTER 1

An Act respecting the Acquisition of the Properties
of Ontario Power Service Corporation.*Assented to April 18th, 1933.*

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Abitibi Canyon Power Development Act*, 1933. Short title.

2. The acquisition and purchase by The Hydro-Electric Power Commission of Ontario in the action in the Supreme Court between Montreal Trust Company as plaintiff and Ontario Power Service Corporation Limited and others as defendants of all the real and personal property, assets and undertaking of Ontario Power Service Corporation Limited described in a Deed of Trust and Mortgage, dated 1st July, 1930, made by the said Corporation in favour of Montreal Trust Company, which includes an uncompleted power development at Abitibi Canyon on the Abitibi River, are hereby ratified and confirmed and the said Commission is authorized to do all acts and things necessary or desirable to complete such acquisition and purchase. Confirmation of purchase of Abitibi Canyon Power Development.

3. Subject to the approval of the Lieutenant-Governor in Council the said Commission is hereby authorized to settle, compromise and pay on such terms as it may deem advisable all or any claims of contractors and other creditors of Ontario Power Service Corporation Limited. Settlement of claims.

4. The said Commission is further authorized to complete in whole or in part at such time or times as it shall deem advisable the said power development. Completion of works.

5. The said Commission is further authorized to issue bonds, debentures or other securities of the Commission for any of the purposes set out in this Act, in such form and containing such terms and at such rate of interest and payable in such manner and at such time or times as the Lieutenant-Governor in Council may determine, and the Lieutenant-Governor in Council is hereby authorized to agree to guarantee the payment of the principal and interest of any such bonds, debentures or other securities issued by the said Commission, and all of the provisions of section 37 of *The Power Commission Act* shall apply to any such bonds, debentures or other securities when so guaranteed. Issue of securities and Provincial guarantee. Rev. Stat., c. 57.

Powers to
be additional
to Rev.
Stat., c. 57.

6. The provisions of this Act shall be deemed to be in addition to and not in derogation of any power of the said Commission under *The Power Commission Act*.

Commence-
ment of Act.

7. This Act shall come into force on the day upon which it receives the Royal Assent.

CHAPTER 28

The Manitoulin Rural Power District Act, 1933.

Assented to April 18th, 1933.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Manitoulin Rural Power District Act, 1933*.

Application
of Part IV of
Rev. Stat.,
c. 57.

2. Part IV of *The Power Commission Act* shall apply, and from and after the 1st day of September, 1932, shall be deemed to have applied to any municipality situate in the district of Manitoulin notwithstanding that such municipality is not a township, and any contract entered into between the corporation of any such municipality and the Commission since the 1st day of September, 1932, purporting to have been made pursuant to the said Part IV shall be legal, valid and binding upon the corporation and the ratepayers thereof.

Commence-
ment of Act.

3. This Act shall come into force on the day upon which it receives the Royal Assent.

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1933

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths, and weights of conductors, and other particulars of the high-voltage steel-tower transmission lines, the wood-pole transmission lines—excepting 4,000 volts or less—and the telephone lines.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

The total mileage of lines built and acquired by the Commission up to October 31, 1933, for the various systems, excepting all lines operating at less than 4,000 volts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES

| System and type of construction | Miles |
|---|----------|
| Niagara system—220,000-volt, steel-supported transmission lines..... | 705.27 |
| Northern Ontario properties—132,000-volt, steel-supported transmission lines..... | 360.61 |
| Niagara system—110,000-volt, steel-supported transmission lines..... | 712.50 |
| Niagara system—110,000-volt, wood-supported transmission lines..... | 67.16 |
| Eastern Ontario system—110,000-volt, steel-supported transmission lines..... | 52.94 |
| Eastern Ontario system—110,000-volt, wood-supported transmission lines..... | 61.51 |
| Thunder Bay system—110,000-volt, steel-supported transmission lines..... | 82.12 |
| Thunder Bay system—110,000-volt, wood-supported transmission lines..... | 83.33 |
| Thunder Bay system—22,000-volt, wood-supported transmission lines..... | 0.35 |
| Thunder Bay system—12,000-volt, wood-supported transmission lines..... | 1.45 |
| Georgian Bay system—110,000-volt, wood-supported transmission lines..... | 55.83 |
| Niagara system—90,000-volt, steel-supported transmission lines..... | 66.20 |
| Niagara system—60,000-volt, steel-supported transmission lines..... | 69.88 |
| Niagara system—60,000-volt, wood-supported transmission lines..... | 23.72 |
| Niagara system—46,000-volt, steel-supported transmission lines..... | 16.94 |
| Niagara system—46,000-volt, wood-supported transmission lines..... | 21.54 |
| Niagara system—30,000-volt, wood-supported transmission lines..... | 13.29 |
| Niagara system—26,400-volt, wood-supported transmission lines..... | 606.62 |
| Niagara system—13,200-volt, wood-supported transmission lines..... | 435.44 |
| Niagara system—12,000-volt, wood-supported transmission lines..... | 115.04 |
| Dominion Power system—44,000-volt, steel-supported transmission lines..... | 36.30 |
| Dominion Power system—44,000-volt, wood-supported transmission lines..... | 141.55 |
| Dominion Power system—22,000-volt, wood-supported transmission lines..... | 28.54 |
| Dominion Power system—22,000-volt, concrete-pole transmission lines..... | 9.05 |
| Dominion Power system—11,500-volt, wood-supported transmission lines..... | 4.45 |
| Dominion Power system—10,000-volt, wood-supported transmission lines..... | 6.78 |
| Georgian Bay system—(38,000-volt)..... | 54.28 |
| Georgian Bay system—(6,600-volt)..... | 2.30 |
| Georgian Bay system— | |
| Severn district—(22,000-volt)..... | 177.01 |
| Eugenia district—(22,000-volt)..... | 320.59 |
| Waddells district—(22,000-volt)..... | 83.72 |
| Muskoka district—(38,000-volt and less)..... | 26.46 |
| Eastern Ontario system— | |
| Central Ontario district—(44,000-volt and less)..... | 503.06 |
| St. Lawrence district—(44,000-volt)..... | 125.18 |
| Rideau district—(26,400-volt)..... | 76.87 |
| Madawaska district—(33,000-volt and less)..... | 58.71 |
| Northern Ontario properties— | |
| Nipissing district—(22,000-volt)..... | 51.39 |
| Sudbury district—(22,000-volt)..... | 33.23 |
| Total..... | 5,291.21 |
| Total separate wood-pole telephone lines for high-voltage systems..... | 1,131.06 |

NOTE.—Of the above, the Niagara system and some of the Northern Ontario properties are operated at 25 cycles. The other systems are operated at 60 cycles.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS

| | Wire miles of conductors | | | Weight in pounds | | |
|--|----------------------------|---|------------------------|----------------------------|---|------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| High-voltage lines, 220,000 volts, Niagara system..... | 2,111.67 | 4.14 | 2,115.81 | 11,371,343 | 22,294 | 11,393,637 |
| High-voltage lines, 132,000 volts, Northern Ontario properties.. | 1,134.00 | 1,029.66 | 2,163.66 | 3,141,180 | 4,424,302 | 7,565,482 |
| High-voltage lines, 110,000 volts and less, Niagara system... | 5,207.37 | 1.96 | 5,209.33 | 16,172,986 | 8,030 | 16,181,016 |
| High-voltage lines, 110,000 volts, Thunder Bay system..... | 743.61 | 4.62 | 748.23 | 1,919,335 | 12,797 | 1,932,132 |
| High-voltage lines, 110,000 volts, Eastern Ontario system..... | 351.24 | ..... | 351.24 | 1,074,082 | ..... | 1,074,082 |
| High-voltage lines, 110,000 volts, Georgian Bay system..... | 176.01 | ..... | 176.01 | 227,268 | ..... | 227,268 |
| Wood and steel power lines built and acquired by the Commission..... | 9,755.93 | 49.80 | 9,805.73 | 9,666,302 | 38,147 | 9,704,449 |
| Dominion Power system acquired by the Commission..... | 817.42 | ..... | 817.42 | 1,521,082 | ..... | 1,521,082 |
| Telephone lines built and acquired by the Commission and erected on wood-pole lines carrying power conductors..... | 4,907.76 | 7.01 | 4,914.77 | 1,155,717 | 1,551 | 1,157,268 |
| High-voltage telephone lines, Niagara system, 220,000 volts | 426.90 | ..... | 426.90 | 82,230 | ..... | 82,230 |
| High-voltage telephone lines, Northern Ontario properties, 132,000-volts..... | ..... | 381.52 | 381.52 | ..... | 85,372 | 85,372 |
| High-voltage telephone lines, Niagara system..... | 3,353.34 | ..... | 3,353.34 | 577,924 | ..... | 577,924 |
| High-voltage telephone lines, Eastern Ontario system..... | 230.06 | ..... | 230.06 | 78,698 | ..... | 78,698 |
| High-voltage telephone lines, Thunder Bay system..... | 199.18 | ..... | 199.18 | 71,004 | ..... | 71,004 |
| High-voltage telephone lines, Georgian Bay system..... | 111.66 | ..... | 111.16 | 43,324 | ..... | 43,324 |
| Totals..... | 29,526.15 | 1,478.71 | 31,004.86 | 47,102,475 | 4,592,493 | 51,694,968 |

NOTE.—This table does not include lines operated at less than 6,600 volts.

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

| Type of construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--|----------------------------------|---|------------------------------|
| 220,000-volt steel-supported transmission lines..... | 703.89 | 1.38 | 705.27 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | |
|-----------------------------|----------------------------------|---|------------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 795,000 c.m., a.c.s-r. | 2,111.67 | 4.14 | 2,115.81 |

NORTHERN ONTARIO PROPERTIES—ABITIBI

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

| Type of construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|---|----------------------------------|---|------------------------------|
| 132,000-volt, steel-supported transmission lines..... | 189.00 | 171.61 | 360.61 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductor | | |
|-----------------------------|----------------------------------|---|------------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 715,500 c.m., a.c.s-r. .... | ..... | 342.60 | 342.60 |
| 666,600 c.m., a.c.s-r. .... | ..... | 342.60 | 342.60 |
| 500,000 c.m., a.c.s-r. .... | ..... | 219.96 | 219.96 |
| 336,400 c.m., a.c.s-r. | 1,134.00 | ..... | 1,134.00 |
| 211,600 c.m., a.c.s-r. .... | ..... | 124.50 | 124.50 |
| Totals..... | 1,134.00 | 1,029.66 | 2,163.66 |

NOTE.—a.s.c-r=Aluminum conductor steel-reinforced; weights include steel core.

220,000-VOLT TRANSMISSION LINES**TOTAL NUMBER OF STEEL TOWERS**

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--------------------------|----------------------------------|---|------------------------------|
| 220,000-volt towers..... | 3,514 | 8 | 3,522 |

WEIGHT OF POWER CONDUCTOR

| Weight in pounds | | | Miles of single-circuit lines | | |
|----------------------------------|---|------------------------------|----------------------------------|---|------------------------------|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 11,371,343 | 22,294 | 11,393,637 | 703.89 | 1.38 | 705.27 |

DISTRICT—132,000-VOLT TRANSMISSION LINES**TOTAL NUMBER OF STEEL TOWERS**

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--------------------------|----------------------------------|---|------------------------------|
| 132,000-volt towers..... | 983 | 884 | 1,867 |

WEIGHT OF POWER CONDUCTOR

| Weight in pounds | | | Miles of double-circuit lines | | |
|----------------------------------|---|------------------------------|----------------------------------|---|------------------------------|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| ..... | 1,778,437 | 1,778,437 | ..... | 57.10 | 57.10 |
| ..... | 1,548,552 | 1,548,552 | ..... | 57.10 | 57.10 |
| ..... | 906,455 | 906,455 | ..... | 36.66 | 36.66 |
| 3,141,180 | ..... | 3,141,180 | 189.00 | ..... | 189.00 |
| ..... | 190,858 | 190,858 | ..... | 20.75 | 20.75 |
| 3,141,180 | 4,424,302 | 7,565,482 | 189.00 | 171.61 | 360.61 |

**EASTERN ONTARIO SYSTEM—
TOTAL MILEAGE OF HIGH-VOLTAGE LINES**

| Type of Construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--|----------------------------------|---|------------------------------|
| 110,000-volt, steel-supported transmission lines. | 52.94 | ..... | 52.94 |
| 110,000-volt, wood-supported transmission lines. | 61.51 | ..... | 61.51 |
| Totals. | 114.45 | ..... | 114.45 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | | | Weight in pounds | | | |
|-----------------------------|----------------------------------|---|------------------------------|--|----------------------------------|---|------------------------------|--|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 477,000 c.m., a.c.s-r. | 278.25 | ..... | 278.25 | | 962,188 | ..... | 962,188 | |
| 211,600 c.m., a.c.s-r. | 72.99 | ..... | 72.99 | | 111,894 | ..... | 111,894 | |
| Totals. | 351.24 | ..... | 351.24 | | 1,074,082 | ..... | 1,074,082 | |

NOTE.—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--------------------------------|----------------------------------|---|------------------------------|
| 110,000-volt steel towers..... | 299 | ..... | 299 |
| 110,000-volt wood poles..... | 842 | ..... | 842 |
| Totals..... | 1,141 | ..... | 1,141 |

WEIGHT OF POWER CONDUCTORS

| Miles of single-circuit lines | | | Miles of double-circuit lines | | | Total mileage single- and double-circuit lines Oct. 31, 1933 |
|----------------------------------|---|------------------------------|----------------------------------|---|------------------------------|--|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 87.49 | | 87.49 | 2.63 | ..... | 2.63 | 90.12 |
| 24.33 | | 24.33 | ..... | ..... | ..... | 24.33 |
| 111.82 | | 111.82 | 2.63 | ..... | 2.63 | 114.45 |

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

| Type of construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--|----------------------------------|---|------------------------------|
| 110,000-volt steel-supported transmission lines..... | 711.84 | 0.66 | 712.50 |
| 110,000-volt wood-supported transmission lines..... | 67.16 | ..... | 67.16 |
| 90,000-volt steel-supported transmission lines..... | 66.20 | ..... | 66.20 |
| 60,000-volt steel-supported transmission lines..... | 69.88 | ..... | 69.88 |
| 60,000-volt wood-supported transmission lines..... | 23.72 | ..... | 23.72 |
| 46,000-volt steel-supported transmission lines..... | 16.94 | ..... | 16.94 |
| 46,000-volt wood-supported transmission lines..... | 21.54 | ..... | 21.54 |
| 12,000-volt wood-supported transmission lines..... | 0.23 | ..... | 0.23 |
| Totals..... | 977.51 | 0.66 | 978.17 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductor | | | Weight in pounds | | | Miles of single circuit lines | | |
|-----------------------------|----------------------------------|---|---------------------------|----------------------------------|---|---------------------------|----------------------------------|---|---------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 167,800 c.m., a.c.s-r | 198.00 | ..... | 198.00 | 240,768 | ..... | 240,768 | 66.00 | ..... | 66.00 |
| 266,800 c.m., a.c.s-r | 304.86 | ..... | 304.86 | 586,855 | ..... | 586,855 | 37.12 | ..... | 37.12 |
| 312,000 c.m., a.c.s-r | 600.69 | ..... | 600.69 | 1,516,141 | ..... | 1,516,141 | 25.19 | ..... | 25.19 |
| 336,400 c.m., a.c.s-r | 612.54 | ..... | 612.54 | 1,696,736 | ..... | 1,696,736 | 13.80 | ..... | 13.80 |
| 477,000 c.m., a.c.s-r | 47.49 | ..... | 47.49 | 164,220 | ..... | 164,220 | 15.41 | ..... | 15.41 |
| 500,000 c.m., a.c.s-r | 238.08 | ..... | 238.08 | 981,127 | ..... | 981,127 | 3.80 | ..... | 3.80 |
| 605,000 c.m., a.c.s-r | 1,196.43 | 1.96 | 1,198.39 | 4,901,774 | 8,030 | 4,909,804 | 4.81 | 0.66 | 5.47 |
| 115,000 c.m., copper | 25.32 | ..... | 25.32 | 47,196 | ..... | 47,196 | 8.44 | ..... | 8.44 |
| 133,079 c.m., copper | 6.36 | ..... | 6.36 | 13,744 | ..... | 13,744 | ..... | ..... | ..... |
| 167,800 c.m., copper | 616.86 | ..... | 616.86 | 1,679,710 | ..... | 1,679,710 | ..... | ..... | ..... |
| 190,000 c.m., copper | 752.04 | ..... | 752.04 | 2,382,463 | ..... | 2,382,463 | 7.24 | ..... | 7.24 |
| 211,600 c.m., copper | 508.02 | ..... | 508.02 | 1,744,033 | ..... | 1,744,033 | 15.48 | ..... | 15.48 |
| 820,000 c.m., aluminum..... | 36.06 | ..... | 36.06 | 146,620 | ..... | 146,620 | 12.02 | ..... | 12.02 |
| 5/16" galv. steel.. | 64.62 | ..... | 64.62 | 71,599 | ..... | 71,599 | 21.54 | ..... | 21.54 |
| Totals..... | 5,207.37 | 1.96 | 5,209.33 | 16,172,986 | 8,030 | 16,181,016 | 230.85 | 0.66 | 231.51 |

NOTE—a.c.s-r = Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--------------------------------|----------------------------------|---|------------------------------|
| 110,000-volt steel towers..... | 6,550 | 5 | 6,555 |
| 110,000-volt wood poles..... | 824 | ..... | 824 |
| 90,000-volt steel towers..... | 409 | ..... | 409 |
| 60,000-volt steel towers..... | 947 | ..... | 947 |
| 60,000-volt wood poles..... | 641 | ..... | 641 |
| 46,000-volt steel towers..... | 376 | ..... | 376 |
| 46,000-volt wood poles..... | 672 | ..... | 672 |
| 12,000-volt wood poles..... | 10 | ..... | 10 |
| Totals..... | 10,429 | 5 | 10,434 |

WEIGHT OF POWER CONDUCTORS

| Miles of double-circuit | | | Miles of three-circuit | | | Miles of four-circuit | | | Total mileage one-, two-, three- and four-circuit lines at Oct. 31, 1933 |
|-------------------------------|---|---------------------------|-------------------------------|---|---------------------------|-------------------------------|---|---------------------------|--|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| | | | | | | | | | 66.00 |
| 32.25 | | 32.25 | ..... | ..... | ..... | ..... | ..... | ..... | 69.37 |
| 87.52 | | 87.52 | ..... | ..... | ..... | ..... | ..... | ..... | 112.71 |
| 95.19 | | 95.19 | ..... | ..... | ..... | ..... | ..... | ..... | 108.99 |
| 0.21 | | 0.21 | ..... | ..... | ..... | ..... | ..... | ..... | 15.62 |
| 37.78 | | 37.78 | ..... | ..... | ..... | ..... | ..... | ..... | 41.58 |
| 191.94 | | 191.94 | ..... | ..... | ..... | 2.53 | ..... | 2.53 | 199.94 |
| | | | | | | | | | 8.44 |
| 1.06 | | 1.06 | ..... | ..... | ..... | ..... | ..... | ..... | 1.06 |
| 102.81 | | 102.81 | ..... | ..... | ..... | ..... | ..... | ..... | 102.81 |
| 121.72 | | 121.72 | ..... | ..... | ..... | ..... | ..... | ..... | 128.96 |
| 52.91 | | 52.91 | 15.48 | ..... | 15.48 | 0.40 | ..... | 0.40 | 84.27 |
| | | | | | | | | | 12.02 |
| | | | | | | | | | 21.54 |
| 723.39 | | 723.39 | 15.48 | ..... | 15.48 | 2.93 | ..... | 2.93 | 973.31 |

THUNDER BAY SYSTEM— MILEAGE OF HIGH-VOLTAGE LINES

| Type of construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--|----------------------------------|---|------------------------------|
| 110,000-volt steel-supported transmission lines..... | 82.12 | ..... | 82.12 |
| 110,000-volt wood-supported transmission lines..... | 81.79 | 1.54 | 83.33 |
| 22,000-volt wood-supported transmission lines..... | 0.35 | ..... | 0.35 |
| 12,000-volt wood-supported transmission lines..... | 1.45 | ..... | 1.45 |
| Totals..... | 165.71 | 1.54 | 167.25 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | | Weight in pounds | | |
|---------------------------------|----------------------------|--|------------------------------|----------------------------------|--|------------------------------|
| | Completed Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 336,400 c.m., a.c.s-r..... | 259.77 | 4.62 | 264.39 | 719,563 | 12,797 | 732,360 |
| 4/0 a.c.s-r (211,600 c.m.)..... | 233.10 | ..... | 233.10 | 357,342 | ..... | 357,342 |
| 190,000 c.m. copper..... | 2.61 | ..... | 2.61 | 8,268 | ..... | 8,268 |
| 4/0 copper (211,600 c.m.)..... | 234.24 | ..... | 234.24 | 804,146 | ..... | 804,146 |
| 2/0 copper (133,079 c.m.)..... | 13.89 | ..... | 13.89 | 30,016 | ..... | 30,016 |
| Totals..... | 743.61 | 4.62 | 748.23 | 1,919,335 | 12,797 | 1,932,132 |

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

GEORGIAN BAY SYSTEM— MILEAGE OF HIGH-VOLTAGE LINES

| Type of construction | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|---|----------------------------------|---|------------------------------|
| 110,000-volt wood-supported transmission lines..... | 55.83 | ..... | 55.83 |
| Totals..... | 55.83 | ..... | 55.83 |

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductor | | |
|---------------------------------|----------------------------------|---|------------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 3/0 a.c.s-r (167,800 c.m.)..... | 167.49 | ..... | 167.49 |
| 336,400 c.m., a.c.s-r..... | 8.52 | ..... | 8.52 |
| Totals..... | 176.01 | ..... | 176.01 |

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|--------------------------------|----------------------------------|---|------------------------------|
| 110,000-volt steel towers..... | 539 | ..... | 539 |
| 110,000-volt wood poles..... | 1,320 | 32 | 1,352 |
| 22,000-volt wood poles..... | 15 | ..... | 15 |
| 12,000-volt wood poles..... | 61 | ..... | 61 |
| Totals..... | 1,935 | 32 | 1,967 |

WEIGHT OF POWER CONDUCTORS

| Miles of single-circuit conductors | | | Miles of double-circuit conductors | | | Miles of three-circuit conductors | | | Total miles single-, double-, and three- circuit conductors at Oct. 31, 1933 |
|---------------------------------------|---|------------------------------|---------------------------------------|---|------------------------------|--------------------------------------|---|------------------------------|---|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 77.50 | 1.54 | 79.04 | 4.20 | ..... | 4.20 | 0.23 | ..... | 0.23 | 83.47 |
| 77.70 | ..... | 77.70 | ..... | ..... | ..... | ..... | ..... | ..... | 77.70 |
| 0.87 | ..... | 0.87 | ..... | ..... | ..... | ..... | ..... | ..... | 0.87 |
| 78.08 | ..... | 78.08 | ..... | ..... | ..... | ..... | ..... | ..... | 78.08 |
| 4.63 | ..... | 4.63 | ..... | ..... | ..... | ..... | ..... | ..... | 4.63 |
| 238.78 | 1.54 | 240.32 | 4.20 | ..... | 4.20 | 0.23 | ..... | 0.23 | 244.75 |

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF WOOD POLES

| Type | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|------------------------------|----------------------------------|---|------------------------------|
| 110,000-volt wood poles..... | 548 | ..... | 548 |
| Totals..... | 548 | ..... | 548 |

WEIGHT OF POWER CONDUCTORS

| Weight in pounds | | | Miles of single-circuit lines | | |
|----------------------------------|---|------------------------------|----------------------------------|----------------------------------|--------------------------------------|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed to Oct. 31, 1933 | Oct. 31, 1932 to Oct. 31, 1933 |
| 203,668 | | 203,668 | 55.83 | ..... | 55.83 |
| 23,600 | | 23,600 | 2.84 | ..... | 2.84 |
| 227,268 | | 227,268 | 58.67 | ..... | 58.67 |

NIAGARA SYSTEM—WOOD-POLE TELEPHONE LINES

SIZE, MATERIAL, LENGTH AND WEIGHT

| Size and material | Wire miles of conductors | | | Weight in pounds | | | Miles of single-circuit lines | | |
|--|-------------------------------|--|---------------------------|-------------------------------|--|---------------------------|----------------------------------|--|---------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| No. 8 B. & S.G. copper | 32.18 | ..... | 32.18 | 8,495 | ..... | 8,495 | 16.09 | ..... | 16.09 |
| No. 9 B. & S.G. copper | 862.18 | ..... | 862.18 | 180,196 | ..... | 180,196 | 160.87 | ..... | 160.87 |
| No. 10 B. & S.G. copper | 1,121.42 | ..... | 1,121.42 | 186,156 | ..... | 186,156 | 194.75 | ..... | 194.75 |
| No. 11 B. & S.G. copper | 107.68 | ..... | 107.68 | 14,214 | ..... | 14,214 | 53.84 | ..... | 53.84 |
| No. 8 copper-clad steel. | 68.74 | ..... | 68.74 | 16,498 | ..... | 16,498 | 2.71 | ..... | 2.71 |
| No. 19 p-i. l-c. cable... | 992.30 | ..... | 992.30 | 118,928 | ..... | 118,928 | ..... | ..... | ..... |
| No. 22 p-i. l-c. cable... | 34.00 | ..... | 34.00 | 1,885 | ..... | 1,885 | ..... | ..... | ..... |
| No. 12 B. & S.G. iron. | 2.84 | ..... | 2.84 | 468 | ..... | 468 | 1.42 | ..... | 1.42 |
| 6 x .0661 steel } 1 x .0661 alum. } | 132.00 | ..... | 132.00 | 51,084 | ..... | 51,084 | 66.00 | ..... | 66.00 |
| Totals..... | 3,353.34 | ..... | 3,353.34 | 577,924 | ..... | 577,924 | 495.68 | ..... | 495.68 |

NOTE—B. & S.G. = Browne & Sharpe gauge.

FOR HIGH-VOLTAGE TRANSMISSION LINES

OF CONDUCTORS (Excluding 220,000-volt lines)

| Miles of double-circuit lines | | | Miles of three-circuit lines | | | Miles of four-circuit lines | | | Miles of paper-insulated lead-covered copper cable | | | Total mileage 1-, 2-, 3-, 4-, and miscellaneous circuits at Oct. 31, 1933 |
|-------------------------------|--|------------------------|------------------------------|--|------------------------|-----------------------------|--|------------------------|--|--|------------------------|---|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 123.01 | | 123.01 | ..... | ..... | ..... | 6.05 | ..... | 6.05 | ..... | ..... | ..... | 16.09 |
| 169.36 | | 169.36 | 9.08 | ..... | 9.08 | ..... | ..... | ..... | ..... | ..... | ..... | 289.93 |
| | | | | | | | | | | | | 373.19 |
| | | | | | | | | | | | | 53.84 |
| 15.83 | | 15.83 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.54 |
| | | | | | | | | | 14.62 | ..... | 14.62 | 14.62 |
| | | | | | | | | | 0.34 | ..... | 0.34 | 0.34 |
| | | | | | | | | | | | | 1.42 |
| | | | | | | | | | | | | 66.00 |
| 308.20 | | 308.20 | 9.08 | ..... | 9.08 | 6.05 | ..... | 6.05 | 14.96 | ..... | 14.96 | 833.97 |

NOTE—B.W.G. = Birmingham wire gauge.

p-i. l-c. cable = Paper-insulated lead-covered cable.

THUNDER BAY SYSTEM—WOOD-POLE TELEPHONE

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductor | | |
|-------------------------------|----------------------------------|---|------------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 3 x 12 galv. steel..... | 13.24 | ..... | 13.24 |
| 3 x 13 galv. steel..... | 159.12 | ..... | 159.12 |
| No. 6 a.c.s-r..... | 18.32 | ..... | 18.32 |
| No. 10 copper-clad steel..... | 8.50 | ..... | 8.50 |
| Totals..... | 199.18 | ..... | 199.18 |

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

LINE FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

| Weight in pounds | | | Miles of single-circuit lines | | |
|----------------------------------|---|------------------------------|----------------------------------|---|------------------------------|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 6,544 | | 6,544 | 6.62 | ..... | 6.62 |
| 59,670 | | 59,670 | 79.56 | ..... | 79.56 |
| 3,481 | | 3,481 | 9.16 | ..... | 9.16 |
| 1,309 | | 1,300 | 4.25 | ..... | 4.25 |
| 71,004 | | 71,004 | 99.59 | ..... | 99.59 |

WOOD AND STEEL TRANSMISSION AND TELEPHONE LINES

(Excluding High-Voltage Lines and the Dominion Power System)

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

| Lines | Miles completed | | |
|---|---------------------|--------------------------------------|------------------------------|
| | To Oct. 31, 1932 | Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| Low-tension lines completed..... | 2,666.45 | 16.60 | 2,683.05 |
| Low-tension lines under construction..... | 2,094.98 | 16.60 | 2,111.58 |
| Single-circuit lines completed..... | 512.04 | ..... | 512.04 |
| Double-circuit lines completed..... | 59.10 | ..... | 59.10 |
| Three-circuit lines completed..... | 0.33 | ..... | 0.33 |
| Five-circuit lines completed..... | ..... | ..... | ..... |
| Single-circuit telephone lines completed..... | 2,108.83 | 16.60 | 2,125.43 |
| Double-circuit telephone lines completed..... | 144.80 | ..... | 144.80 |
| Three-circuit telephone lines completed..... | 7.67 | ..... | 7.67 |
| STEEL AND WOOD POLES | | | |
| Number of poles erected..... | 100,951 | 556 | 101,507 |
| Number of steel towers erected..... | 21 | ..... | 21 |
| Number of poles under construction..... | ..... | ..... | ..... |

NIAGARA SYSTEM—TELEPHONE LINES SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | | Weight in pounds | | |
|--------------------|----------------------------|---|------------------------|----------------------------|---|------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| No. 6 a.c.s-r..... | 368.04 | ..... | 368.04 | 69,928 | ..... | 69,928 |
| No. 9 copper..... | 58.86 | ..... | 58.86 | 12,302 | ..... | 12,302 |
| Totals..... | 426.90 | ..... | 426.90 | 82,230 | ..... | 82,230 |

EASTERN ONTARIO SYSTEM— SIZE, MATERIAL, LENGTH AND

| | Wire miles of conductors | | | Weight in pounds | | |
|--|----------------------------|---|------------------------|----------------------------|---|------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1931, to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1931, to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| No. 9 copper..... | 2.32 | ..... | 2.32 | 485 | ..... | 485 |
| 3 x .0661 aluminum. } 4 x .0661 steel..... } .. | 128.48 | ..... | 128.48 | 39,700 | ..... | 39,700 |
| 1 x .0661 aluminum. } 6 x .0661 steel..... } .. | 99.26 | ..... | 99.26 | 38,513 | ..... | 38,513 |
| Totals..... | 230.06 | ..... | 230.06 | 78,698 | ..... | 78,698 |

GEORGIAN BAY SYSTEM—TELEPHONE LINES SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | | Weight in pounds | | |
|--|----------------------------|---|------------------------|----------------------------|---|------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932, to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 1 x .0661 aluminum. } 6 x .0661 steel..... } .. | 111.66 | ..... | 111.66 | 43,324 | ..... | 43,324 |
| Totals..... | 111.66 | ..... | 111.66 | 43,324 | ..... | 43,324 |

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel.

FOR 220,000-VOLT LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines

| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|----------------------------------|---|------------------------------|
| 184.02 | | 184.02 |
| 29.43 | | 29.43 |
| 213.45 | | 213.45 |

HIGH-VOLTAGE TELEPHONE LINES

WEIGHT OF CONDUCTORS

| Miles of single-circuit lines | | | Miles of double-circuit lines | | | Total mileage of single-circuit and double-circuit lines at Oct. 31, 1933 |
|-------------------------------------|--|---------------------------------|-------------------------------------|--|---------------------------------|---|
| Completed to Oct. 31, 1933 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1933 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| | | | 0.58 | ..... | 0.58 | 0.58 |
| 64.24 | | 64.24 | ..... | ..... | ..... | 64.24 |
| 49.63 | | 49.63 | ..... | ..... | ..... | 49.63 |
| 113.87 | | 113.87 | 0.58 | ..... | 0.58 | 114.45 |

FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines

| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
|----------------------------------|---|------------------------------|
| 55.83 | | 55.83 |
| 55.83 | | 55.83 |

WOOD-POLE

SUMMARY—

GAUGE, LENGTH AND

| Size and material | Wire miles of conductors | | | Weight in pounds | | |
|---------------------------------------|-------------------------------|--|---------------------------|-------------------------------|--|---------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 1,035,500 c.m. aluminum..... | 1.68 | | 1.68 | 8,560 | | 8,560 |
| 500,000 c.m. aluminum..... | 113.04 | | 113.04 | 278,078 | | 278,078 |
| 345,000 c.m. aluminum..... | 246.15 | | 246.15 | 418,455 | | 418,455 |
| 336,400 c.m. aluminum..... | 11.40 | | 11.40 | 18,924 | | 18,924 |
| 300,000 c.m. aluminum..... | 42.30 | | 42.30 | 62,477 | | 62,477 |
| 173,000 c.m. aluminum..... | 53.52 | | 53.52 | 45,760 | | 45,760 |
| 4/0 aluminum (211,600 c.m.)..... | 810.30 | | 810.30 | 841,902 | | 841,902 |
| 3/0 aluminum (167,800 c.m.)..... | 1,981.32 | | 1,981.32 | 1,632,608 | | 1,632,608 |
| 2/0 aluminum (133,079 c.m.)..... | 177.30 | | 177.30 | 115,954 | | 115,954 |
| 1/0 aluminum (105,534 c.m.)..... | 646.08 | | 646.08 | 334,669 | | 334,669 |
| No. 2 aluminum (66,373 c.m.)..... | 302.13 | | 302.13 | 98,494 | | 98,494 |
| 477,000 c.m. a.c.s-r..... | 103.80 | | 103.80 | 358,940 | | 358,940 |
| 605,000 c.m. a.c.s-r..... | 0.45 | | 0.45 | 1,844 | | 1,844 |
| 336,400 c.m. a.c.s-r..... | 160.14 | | 160.14 | 443,588 | | 443,588 |
| 125,000 c.m. a.c.s-r..... | 233.34 | | 233.34 | 211,406 | | 211,406 |
| 4/0 a.c.s-r (211,600 c.m.)..... | 474.78 | | 474.78 | 727,838 | | 727,838 |
| 3/0 a.c.s-r (167,800 c.m.)..... | 351.03 | | 351.03 | 426,852 | | 426,852 |
| 2/0 a.c.s-r (133,079 c.m.)..... | 131.43 | | 131.43 | 126,567 | | 126,567 |
| 1/0 a.c.s-r (105,534 c.m.)..... | 931.05 | 49.80 | 980.85 | 713,184 | 38,147 | 751,331 |
| No. 2 a.c.s-r (66,373 c.m.)..... | 1,438.17 | | 1,438.17 | 690,322 | | 690,322 |
| No. 4 a.c.s-r (41,742 c.m.)..... | 65.04 | | 65.04 | 19,642 | | 19,642 |
| 190,000 c.m. copper..... | 101.31 | | 101.31 | 320,950 | | 320,950 |
| 115,000 c.m. copper..... | 24.96 | | 24.96 | 46,525 | | 46,525 |
| 4/0 copper (211,600 c.m.)..... | 7.28 | | 7.28 | 24,992 | | 24,992 |
| 3/0 copper (167,800 c.m.)..... | 0.21 | | 0.21 | 572 | | 572 |
| 2/0 copper (133,079 c.m.)..... | 233.46 | | 233.46 | 504,507 | | 504,507 |
| 1/0 copper (105,534 c.m.)..... | 220.32 | | 220.32 | 376,747 | | 376,747 |
| No. 1 copper (83,694 c.m.)..... | 63.00 | | 63.00 | 85,806 | | 85,806 |
| No. 2 copper (66,373 c.m.)..... | 69.33 | | 69.33 | 74,807 | | 74,807 |
| No. 3 copper (52,634 c.m.)..... | 40.20 | | 40.20 | 34,371 | | 34,371 |
| No. 4 copper (41,742 c.m.)..... | 142.68 | | 142.68 | 96,452 | | 96,452 |
| No. 6 copper (26,250 c.m.)..... | 39.45 | | 39.45 | 16,766 | | 16,766 |
| 3 x 12 galv. steel (35,643 c.m.)..... | 18.57 | | 18.57 | 9,192 | | 9,192 |
| 1/4" galv. steel (48,223 c.m.)..... | 44.10 | | 44.10 | 29,106 | | 29,106 |
| 9/32" galv. steel (62,200 c.m.)..... | 84.75 | | 84.75 | 71,614 | | 71,614 |
| 7/16" galv. steel (153,000 c.m.)..... | 0.30 | | 0.30 | 657 | | 657 |
| 5/16" galv. steel (83,200 c.m.)..... | 323.01 | | 323.01 | 357,895 | | 357,895 |
| No. 6 galv. iron (41,000 c.m.)..... | 68.55 | | 68.55 | 39,279 | | 39,279 |
| Totals..... | 9,755.93 | 49.80 | 9,805.73 | 9,666,302 | 38,147 | 9,704,449 |

NOTE.—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

TRANSMISSION LINES

(Excluding High-Voltage and Dominion Power Lines)

WEIGHT OF CONDUCTORS

| Miles of single circuit lines | | | Miles of double-circuit lines | | | Miles of three-circuit lines | | | Total mileage of one-, two-, and three- circuit lines at Oct. 31, 1933 |
|----------------------------------|--|---------------------------|----------------------------------|--|---------------------------|---------------------------------|--|---------------------------|---|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 0.56 | | 0.56 | | | | | | | 0.56 |
| 3.46 | | 3.46 | 17.11 | | 17.11 | | | | 20.57 |
| 1.63 | | 1.63 | 40.21 | | 40.21 | | | | 41.84 |
| | | | 1.90 | | 1.90 | | | | 1.90 |
| | | | | | | 4.70 | | 4.70 | 4.70 |
| 2.88 | | 2.88 | 7.48 | | 7.48 | | | | 10.36 |
| | | | | | | | | | |
| 184.58 | | 184.58 | 42.76 | | 42.76 | | | | 227.34 |
| 247.73 | | 247.73 | 198.18 | | 198.18 | 5.45 | | 5.45 | 451.36 |
| 32.80 | | 32.80 | 13.15 | | 13.15 | | | | 45.95 |
| 145.44 | | 145.44 | 34.96 | | 34.96 | | | | 180.40 |
| 93.41 | | 93.41 | 3.65 | | 3.65 | | | | 97.06 |
| | | | | | | | | | |
| 34.60 | | 34.60 | | | | | | | 34.60 |
| 0.45 | | 0.45 | | | | | | | 0.45 |
| 50.94 | | 50.94 | 1.22 | | 1.22 | | | | 52.16 |
| 77.78 | | 77.78 | | | | | | | 77.78 |
| | | | | | | | | | |
| 138.48 | | 138.48 | 9.89 | | 9.89 | | | | 148.37 |
| 89.19 | | 89.19 | 11.33 | | 11.33 | 1.72 | | 1.72 | 102.24 |
| 28.47 | | 28.47 | 7.67 | | 7.67 | | | | 36.14 |
| 309.23 | 16.60 | 325.83 | 0.56 | | 0.56 | | | | 326.39 |
| 430.56 | | 430.56 | 23.20 | | 23.20 | 0.81 | | 0.81 | 454.57 |
| 21.68 | | 21.68 | | | | | | | 21.68 |
| | | | | | | | | | |
| 10.05 | | 10.05 | 11.86 | | 11.86 | | | | 21.91 |
| 7.86 | | 7.86 | 0.23 | | 0.23 | | | | 8.09 |
| | | | | | | | | | |
| 0.88 | | 0.88 | 0.77 | | 0.77 | | | | 1.65 |
| 0.07 | | 0.07 | | | | | | | 0.07 |
| 33.34 | | 33.34 | 22.24 | | 22.24 | | | | 55.58 |
| 50.92 | | 50.92 | 11.26 | | 11.26 | | | | 62.18 |
| 21.00 | | 21.00 | | | | | | | 21.00 |
| 17.05 | | 17.05 | 3.03 | | 3.03 | | | | 20.08 |
| 12.46 | | 12.46 | 0.47 | | 0.47 | | | | 12.93 |
| 21.20 | | 21.20 | 13.18 | | 13.18 | | | | 34.38 |
| 13.15 | | 13.15 | | | | | | | 13.15 |
| | | | | | | | | | |
| 6.19 | | 6.19 | | | | | | | 6.19 |
| 14.70 | | 14.70 | | | | | | | 14.70 |
| 28.25 | | 28.25 | | | | | | | 28.25 |
| 0.10 | | 0.10 | | | | | | | 0.10 |
| 100.55 | | 100.55 | 3.56 | | 3.56 | | | | 104.11 |
| | | | | | | | | | |
| 22.85 | | 22.85 | | | | | | | 22.85 |
| | | | | | | | | | |
| 2,254.49 | 16.60 | 2,271.09 | 479.87 | | 479.87 | 12.68 | | 12.68 | 2,763.64 |

TELEPHONE

ERECTED ON WOOD-POLE LINES
GAUGE, LENGTH AND WEIGHT OF ALUMINUM,

| Size and material | Wire miles of conductors | | | Weight in pounds | | |
|---|-------------------------------|--|---------------------------|-------------------------------|--|---------------------------|
| | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| No. 9 B. & S.G. copper. | 594.98 | 1.83 | 596.81 | 124,351 | 384 | 124,735 |
| No. 10 B. & S.G. copper. | 253.66 | | 253.66 | 42,107 | | 42,107 |
| No. 11 B. & S.G. copper. | 4.44 | | 4.44 | 702 | | 702 |
| No. 12 B. & S.G. copper. | 85.92 | | 85.92 | 8,936 | | 8,936 |
| No. 8 B. & S.G. c-c steel. | 135.44 | | 135.44 | 33,183 | | 33,183 |
| No. 9 B. & S.G. c-c steel. | 1.20 | | 1.20 | 233 | | 233 |
| No. 10 B. & S.G. c-c steel. | 969.90 | | 969.90 | 149,365 | | 149,365 |
| No. 17 B. & S.G. c-c steel. | | | | | | |
| No. 6 B.W.G. galv. iron. | 15.32 | | 15.32 | 8,778 | | 8,778 |
| No. 8 B.W.G. galv. iron. | | | | | | |
| No. 9 B.W.G. galv. iron. | 1,616.94 | | 1,616.94 | 493,167 | | 493,167 |
| No. 10 B.W.G. galv. iron. | 73.08 | | 73.08 | 18,270 | | 18,270 |
| No. 12 B.W.G. galv. iron. | 82.92 | | 82.92 | 13,682 | | 13,682 |
| No. 6 a.c.s-r. | 808.64 | 5.18 | 813.82 | 155,259 | 1,168 | 156,427 |
| 3 x .0661 alum. and 4 x .0661 steel. | 52.34 | | 52.34 | 16,382 | | 16,382 |
| 1/4" galv. steel. | 1.48 | | 1.48 | 977 | | 977 |
| 3 x 12 galv. steel. | 88.88 | | 88.88 | 43,729 | | 43,729 |
| 3 x 13 galv. steel. | 122.62 | | 122.62 | 46,596 | | 46,596 |
| Totals. | 4,907.76 | 7.01 | 4,914.77 | 1,155,717 | 1,552 | 1,157,269 |

NOTE.—For telephone lines generally on wood poles and serving 220,000-volt and 110,000 volt power lines, see separate table.

c-c steel = Copper-clad steel. a.c.s-r = Aluminum cable, steel-reinforced.

LINES

CARRYING POWER CONDUCTORS

COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

| Miles of single-circuit lines | | | Miles of double-circuit lines | | | Total mileage of single and double-circuit lines at Oct. 31, 1933 |
|-------------------------------|--|---------------------------|-------------------------------|--|---------------------------|---|
| Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Completed to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 286.23 | 0.91 | 287.14 | 5.63 | | 5.63 | 292.77 |
| 126.83 | | 126.83 | | | | 126.83 |
| 2.22 | | 2.22 | | | | 2.22 |
| 42.96 | | 42.96 | | | | 42.96 |
| 67.72 | | 67.72 | | | | 67.72 |
| 1.60 | | 1.60 | | | | 1.60 |
| 477.91 | | 477.91 | 3.18 | | 3.18 | 481.09 |
| | | | | | | |
| 7.66 | | 7.66 | | | | 7.66 |
| | | | | | | |
| 808.47 | | 808.47 | | | | 808.47 |
| 36.54 | | 36.54 | | | | 36.54 |
| 41.46 | | 41.46 | | | | 41.46 |
| | | | | | | |
| 299.94 | 2.59 | 302.53 | 52.19 | 0.48 | 52.67 | 355.20 |
| 26.17 | | 26.17 | | | | 26.17 |
| | | | | | | |
| 0.74 | | 0.74 | | | | 0.74 |
| 44.44 | | 44.44 | | | | 44.44 |
| 61.31 | | 61.31 | | | | 61.31 |
| | | | | | | |
| 2,332.20 | 3.50 | 2,335.70 | 61.00 | 0.48 | 61.48 | 2,397.18 |

B. & S.G. = Browne & Sharpe Gauge.

B.W.G. = Birmingham wire gauge.

DOMINION POWER SYSTEM MILEAGE OF LINES

| Type of construction | Total at Oct. 31, 1933 |
|--|------------------------------|
| 44,000-volt, steel-supported transmission lines..... | 34.11 |
| 44,000-volt, wood-supported transmission lines..... | 140.44 |
| 22,000-volt, wood-supported transmission lines..... | 27.52 |
| 22,000-volt, concrete-pole-supported transmission lines..... | 10.07 |
| 10,000-volt, wood-supported transmission lines..... | 11.23 |
| Total..... | 223.37 |

SIZE, MATERIAL, LENGTH AND

| | Wire miles of conductors | Weight in pounds |
|--|-----------------------------|---------------------------|
| | Total to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 393,000 c.m. aluminum..... | 91.00 | 174,720 |
| 157,500 c.m. copper (6 x No. 6 hemp core)..... | 326.79 | 833,315 |
| 198,600 c.m. copper (6 x No. 5 hemp core)..... | 10.98 | 32,191 |
| 133,079 c.m. copper (2/0 solid)..... | 94.50 | 200,624 |
| 105,534 c.m. copper (1/0)..... | 9.00 | 15,147 |
| 66,373 c.m. copper (No. 2)..... | 174.24 | 184,485 |
| 52,634 c.m. copper (No. 3)..... | 69.15 | 58,086 |
| 41,742 c.m. copper (No. 4)..... | 15.81 | 10,530 |
| 26,250 c.m. copper (No. 6)..... | 20.34 | 8,519 |
| 105,534 c.m. A.C.S.R. (No. 1/0)..... | 2.70 | 2,068 |
| 66,373 c.m. A.C.S.R. (No. 2)..... | 2.91 | 1,397 |
| Totals..... | 817.42 | 1,521,082 |

NORTHERN ONTARIO PROPERTIES—

WOOD-POLE TELEPHONE LINE FOR

SIZE, MATERIAL, LENGTH AND

| Size and material | Wire miles of conductors | | |
|---|---------------------------|---|---------------------------|
| | Total to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 6 x .0661 steel..... } 1 x .0661 aluminum..... } | 60.00 | ..... | 60.00 |
| 6 x .0661 aluminum..... } 1 x .0661 steel..... } | 321.52 | ..... | 321.52 |
| Totals..... | 381.52 | ..... | 381.52 |

WEIGHT OF POWER CONDUCTORS

| Miles of single-circuit conductors | Miles of double-circuit conductors | Total mileage single- and double-circuit conductors at Oct. 31, 1933 |
|---------------------------------------|---------------------------------------|--|
| Total to Oct. 31, 1933 | Total to Oct. 31, 1933 | |
| 30.05 | 0.14 | 30.19 |
| 44.37 | 32.28 | 76.65 |
| | 1.83 | 1.83 |
| ..... | ..... | 31.50 |
| 31.50 | | 3.00 |
| 3.00 | | 49.03 |
| 39.98 | 9.05 | 17.55 |
| 12.05 | 5.50 | 5.27 |
| 5.27 | ..... | 6.78 |
| 6.78 | ..... | 0.90 |
| 0.90 | ..... | 0.97 |
| 0.97 | ..... |  |
| 174.87 | 48.80 | 223.67 |

ABITIBI DISTRICT

HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

| Weight in pounds | | | Miles of single-circuit lines | | |
|------------------------------|---|------------------------------|-------------------------------|---|------------------------------|
| Total to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 | Total to Oct. 31, 1932 | Completed Oct. 31, 1932 to Oct. 31, 1933 | Total to Oct. 31, 1933 |
| 23,640 | | 23,640 | 30.00 | ..... | 30.00 |
| 61,732 | | 61,732 | 160.76 | ..... | 160.76 |
| 85,372 | | 85,372 | 190.76 | ..... | 190.76 |

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, Distribution Feeders, Metering Stations, Distributing Stations and Distributing Systems constructed by the Hydro-Electric Power Commission.

Below is shown in tabular and descriptive form the work carried on under the supervision of the Distribution section of the Electrical Engineering department during the year ended October 31, 1933.

The work includes the construction of rural distribution systems, the installation of feeders to supply urban municipalities and the construction of metering equipments.

Work in connection with distribution systems was done by the Commission for certain municipalities, private companies, etc., at the request and at the expense of the parties concerned.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

| System | At October 31, 1932 | | At October 31, 1933 | |
|-------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| NIAGARA SYSTEM..... | 6,489.84 | 44,019 | 6,640.93 | 45,293 |
| GEORGIAN BAY SYSTEM— | | | | |
| Severn district..... | 277.59 | 2,489 | 279.40 | 2,519 |
| Eugenia district..... | 181.18 | 928 | 207.16 | 1,072 |
| Wasdells district..... | 222.32 | 1,468 | 227.35 | 1,534 |
| Muskoka district..... | 92.50 | 532 | 105.12 | 592 |
| Bala district..... | 34.05 | 206 | 35.55 | 222 |
| EASTERN ONTARIO SYSTEM— | | | | |
| Central Ontario district..... | 914.65 | 6,436 | 960.59 | 6,768 |
| St. Lawrence district..... | 380.00 | 2,270 | 393.52 | 2,380 |
| Rideau district..... | 75.18 | 439 | 75.53 | 458 |
| Madawaska district..... | 10.09 | 67 | 10.09 | 65 |
| Ottawa district..... | 176.64 | 1,047 | 181.87 | 1,092 |
| THUNDER BAY SYSTEM..... | 36.45 | 123 | 78.30 | 262 |
| NORTHERN ONTARIO PROPERTIES— | | | | |
| Nipissing district..... | 11.88 | 285 | 12.07 | 313 |
| Manitoulin district..... | 16.00 | | 37.25 | 180 |
| Total..... | 8,918.37 | 60,309 | 9,244.73 | 62,750 |

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICT

| Rural power district | Property number | At October 31, 1932 | | At October 31, 1933 | |
|----------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| NIAGARA SYSTEM | | | | | |
| Acton..... | N5D1 | 8.00 | 26 | 8.00 | 26 |
| Ailsa Craig..... | N4D7 | 6.00 | 19 | 6.00 | 19 |
| Alvinston..... | N18D9 | 4.50 | 10 | 4.50 | 10 |
| Amherstburg..... | N15D3 | 64.29 | 586 | 66.62 | 594 |
| Aylmer..... | N11D2 | 110.10 | 614 | 110.95 | 623 |
| Ayr..... | N12D4 | 23.01 | 85 | 23.76 | 87 |
| Baden..... | N7D1 | 96.27 | 436 | 96.87 | 449 |
| Beamsville..... | N1D4 | 155.08 | 1,452 | 156.60 | 1,489 |
| Belle River..... | N15D2 | 43.83 | 368 | 43.83 | 368 |
| Blenheim..... | N14D3 | 58.36 | 327 | 59.44 | 323 |
| Bond Lake..... | N3D3 | 156.90 | 1,463 | 161.50 | 1,556 |
| Bothwell..... | N14D10 | 37.58 | 136 | 37.58 | 136 |
| Brampton..... | N13D2 | 51.62 | 182 | 51.62 | 172 |
| Brant..... | N12D1 | 103.67 | 549 | 110.56 | 565 |
| Brigden..... | N18D8 | 35.63 | 110 | 36.61 | 114 |
| Burford..... | N12D2 | 48.87 | 264 | 49.70 | 268 |
| Caledonia..... | N2D5 | 101.75 | 482 | 102.52 | 496 |
| Chatham..... | N14D1 | 142.91 | 806 | 142.71 | 815 |
| Chippawa..... | N1D7 | 25.73 | 174 | 25.73 | 178 |
| Clinton..... | N8D11 | 66.33 | 377 | 70.33 | 395 |
| Delaware..... | N4D3 | 125.82 | 656 | 130.54 | 643 |
| Dorchester..... | N4D1 | 109.40 | 579 | 109.84 | 586 |
| Dresden..... | N14D12 | 24.23 | 89 | 24.23 | 89 |
| Drumbo..... | N12D5 | 54.58 | 268 | 56.38 | 269 |
| Dundas..... | N2D1 | 107.01 | 735 | 110.27 | 762 |
| Dunnville..... | N1D9 | 16.47 | 73 | 18.00 | 97 |
| Dutton..... | N11D3 | 46.85 | 199 | 46.85 | 195 |
| Elmira..... | N7D3 | 23.23 | 81 | 24.20 | 93 |
| Elora..... | N5D4 | 44.88 | 270 | 46.17 | 272 |
| Essex..... | N15D7 | 87.86 | 456 | 88.04 | 455 |
| Exeter..... | N4D6 | 65.46 | 596 | 68.43 | 622 |
| Forest..... | N18D6 | 41.02 | 146 | 41.35 | 151 |
| Galt..... | N6D2 | 37.80 | 300 | 38.98 | 308 |
| Georgetown..... | N5D2 | 55.33 | 276 | 57.50 | 284 |
| Goderich..... | N8D2 | 40.40 | 184 | 49.33 | 214 |
| Grantham..... | N1D2 | 60.78 | 769 | 63.66 | 798 |
| Guelph..... | N5D3 | 87.46 | 534 | 92.10 | 555 |
| Haldimand..... | N2D8 | 50.13 | 283 | 50.33 | 296 |
| Harriston..... | N8D5 | 23.00 | 64 | 23.75 | 73 |
| Harrow..... | N15D4 | 67.19 | 616 | 67.59 | 621 |
| Ingersoll..... | N10D3 | 184.44 | 667 | 186.29 | 665 |
| Jordan..... | N1D3 | 33.46 | 362 | 35.44 | 380 |
| Keswick..... | N3D5 | 56.31 | 955 | 57.49 | 1,020 |
| Kingsville..... | N15D5 | 131.54 | 1,349 | 132.55 | 1,362 |
| Listowel..... | N8D8 | 76.39 | 346 | 80.15 | 392 |

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

| Rural power district | Property number | At October 31, 1932 | | At October 31, 1933 | |
|--------------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| NIAGARA SYSTEM—Concluded | | | | | |
| London..... | N4D2 | 190.49 | 2,012 | 192.58 | 2,078 |
| Lucan..... | N4D5 | 33.68 | 122 | 33.68 | 124 |
| Lynden..... | N2D2 | 54.23 | 253 | 56.57 | 263 |
| Markham..... | N3D1 | 112.88 | 843 | 115.60 | 879 |
| Merlin..... | N14D15 | 87.76 | 316 | 92.93 | 325 |
| Milton..... | N13D3 | 64.28 | 340 | 65.20 | 346 |
| Milverton..... | N8D9 | 40.17 | 178 | 41.27 | 187 |
| Mitchell..... | N8D7 | 67.00 | 368 | 69.31 | 384 |
| Newmarket..... | N3D4 | 60.95 | 345 | 64.41 | 380 |
| Niagara..... | N1D1 | 48.28 | 308 | 48.03 | 309 |
| Norwich..... | N10D1 | 106.70 | 474 | 108.77 | 484 |
| Oil Springs..... | N18D3 | 20.81 | 116 | 20.81 | 114 |
| Palmerston..... | N8D6 | 37.94 | 137 | 38.06 | 138 |
| Petrolia..... | N18D5 | 14.78 | 57 | 14.98 | 59 |
| Preston..... | N6D1 | 138.10 | 974 | 143.86 | 1,000 |
| Ridgetown..... | N14D2 | 104.50 | 693 | 104.62 | 698 |
| St. Marys..... | N9D1 | 114.80 | 447 | 115.01 | 454 |
| St. Jacobs..... | N7D2 | 68.67 | 374 | 68.92 | 383 |
| St. Thomas..... | N11D1 | 160.73 | 1,115 | 164.50 | 1,149 |
| Saltfleet..... | N17D1 | 93.03 | 1,507 | 93.40 | 1,546 |
| Sandwich..... | N15D1 | 127.29 | 2,055 | 128.43 | 2,074 |
| Sarnia..... | N18D4 | 87.44 | 1,156 | 87.59 | 1,185 |
| Scarboro..... | N3D2 | 80.06 | 669 | 82.91 | 736 |
| Seaforth..... | N8D10 | 16.60 | 157 | 16.60 | 157 |
| Simcoe..... | N12D6 | 67.30 | 377 | 73.92 | 387 |
| Stamford..... | N1D6 | 12.37 | 292 | 12.37 | 288 |
| Stratford..... | N8D4 | 37.00 | 222 | 37.17 | 226 |
| Strathroy..... | N4D4 | 78.55 | 243 | 78.70 | 250 |
| Streetsville..... | N13D1 | 102.75 | 452 | 104.19 | 466 |
| Tavistock..... | N8D1 | 79.63 | 319 | 80.53 | 321 |
| Thamesville..... | N14D11 | 68.06 | 275 | 68.06 | 274 |
| Tilbury..... | N14D14 | 59.16 | 253 | 63.34 | 273 |
| Tillsonburg..... | N10D4 | 110.04 | 571 | 111.03 | 574 |
| Wallaceburg..... | N14D13 | 83.39 | 546 | 85.29 | 545 |
| Walsingham..... | N12D7 | 78.58 | 433 | 88.43 | 481 |
| Walton..... | N8D3 | 42.34 | 271 | 42.87 | 281 |
| Waterdown..... | N2D3 | 67.40 | 869 | 69.53 | 921 |
| Waterford..... | N12D3 | 69.75 | 304 | 70.65 | 335 |
| Watford..... | N18D7 | 17.55 | 57 | 17.55 | 57 |
| Welland..... | N1D5 | 273.60 | 2,585 | 281.39 | 2,627 |
| Woodbridge..... | N16D1 | 194.31 | 981 | 195.96 | 1,008 |
| Woodstock..... | N10D2 | 125.42 | 634 | 127.02 | 642 |

DETAILS OF CONSTRUCTION IN RURAL DISTRICTS—Continued

| Rural power district | Property number | At October 31, 1932 | | At October 31, 1933 | |
|--------------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| GEORGIAN BAY SYSTEM | | | | | |
| SEVERN DISTRICT | | | | | |
| Alliston..... | S32D1 | 23.57 | 145 | 23.57 | 148 |
| Barrie..... | S4D1 | 60.04 | 560 | 60.88 | 480 |
| Beeton..... | S33D1 | 1.80 | 5 | 1.80 | 5 |
| Bradford..... | S37D1 | 27.07 | 88 | 27.07 | 86 |
| Buckskin..... | S24D1 | 0.95 | 15 | 1.20 | 17 |
| Cookstown..... | S35D1 | 0.50 | 2 | 0.50 | 2 |
| Creemore..... | S10D2 | 30.00 | 134 | 29.87 | 135 |
| Elmvale..... | S7D1 | 25.50 | 158 | 25.50 | 158 |
| Hawkestone..... | S9D1 | 26.80 | 152 | 26.80 | 160 |
| Innisfil..... | S31D1 | 27.97 | 432 | 28.43 | 504 |
| Medonte..... | S18D1 | 9.18 | 51 | 9.31 | 55 |
| Midland..... | S1D1 | 12.13 | 43 | 12.13 | 43 |
| Nottawasaga..... | S5D1 | 7.89 | 92 | 7.89 | 93 |
| Thornton..... | S36D1 | 8.00 | 30 | 8.00 | 30 |
| Wasaga Beach..... | S10D1 | 16.19 | 582 | 16.45 | 603 |
| EUGENIA DISTRICT | | | | | |
| Arthur..... | E13D2 | 2.40 | 10 | 2.40 | 9 |
| Bruce..... | E19D1 | 50.99 | 177 | 57.87 | 265 |
| Chatsworth..... | E3D1 | 0.00 | 22 | 0.00 | 22 |
| Flesherton..... | E1D1 | 2.60 | 39 | 2.60 | 39 |
| Holstein..... | E7D1 | 0.50 | 8 | 0.50 | 9 |
| Lucknow..... | E24D1 | 0.11 | 2 | 0.11 | 2 |
| Markdale..... | E1D2 | 13.00 | 66 | 19.60 | 85 |
| Meaford..... | E14D1 | 1.11 | 6 | 1.00 | 5 |
| Neustadt..... | E8D1 | 0.50 | 4 | 0.50 | 4 |
| Orangeville..... | E12D1 | 22.70 | 93 | 22.50 | 93 |
| Owen Sound..... | E2D1 | 1.87 | 18 | 5.62 | 40 |
| Ripley..... | E24D2 | 4.07 | 12 | 4.32 | 14 |
| Shelburne..... | E10D1 | 12.51 | 47 | 18.44 | 53 |
| Sauble..... | E46D1 | 9.37 | 41 | 10.00 | 46 |
| Tara..... | E15D1 | 23.50 | 110 | 25.75 | 112 |
| Wroxeter..... | E22D1 | 35.95 | 273 | 35.95 | 274 |
| WASDELLS DISTRICT | | | | | |
| Beaverton..... <i>a</i> | W2D1 | 14.01 | 184 | 27.02 | 330 |
| Cannington..... <i>b</i> | W3D1 | 4.05 | 24 | 9.15 | 52 |
| Mariposa..... | W9D1 | 47.14 | 312 | 47.39 | 312 |
| Port Perry..... | W12D1 | 48.66 | 344 | 49.09 | 358 |
| Sparrow Lake..... | W1D1 | 30.15 | 235 | 32.55 | 254 |
| Uxbridge..... | W11D1 | 62.15 | 226 | 62.15 | 228 |
| MUSKOKA DISTRICT | | | | | |
| Beaumaris..... | M7D1 | 22.46 | 207 | 24.66 | 231 |
| Baysville..... | M10D1 | 31.25 | 129 | 31.25 | 134 |
| Gravenhurst..... | M4D1 | 2.30 | 13 | 2.30 | 13 |
| Huntsville..... | M2D1 | 18.70 | 77 | 27.20 | 99 |
| Utterson..... | M8D1 | 17.79 | 106 | 19.71 | 115 |
| BALA DISTRICT | | | | | |
| Bala..... | GB13D1 | 34.05 | 206 | 35.55 | 222 |

^a 11.56 miles and 131 consumers transferred from Georgina R.P.D. as of November 1, 1932.

^b 5.60 miles and 25 consumers transferred from Cannington No. 2 R.P.D. as of November 1, 1932.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

| Rural power district | Property number | At October 31, 1932 | | At October 31, 1933 | |
|--------------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| EASTERN ONTARIO SYSTEM | | | | | |
| CENTRAL ONTARIO DISTRICT | | | | | |
| Belleville..... | C38D1 | 81.81 | 657 | 84.28 | 680 |
| Bowmanville..... | C23D1 | 28.98 | 127 | 28.93 | 131 |
| Brighton..... | C6D1 | 10.15 | 63 | 10.15 | 62 |
| Campbellford..... | C11D1 | 21.50 | 80 | 21.50 | 79 |
| Cobourg..... | C13D1 | 90.29 | 453 | 94.01 | 458 |
| Colborne..... | C7D1 | 31.07 | 151 | 31.37 | 160 |
| Fenelon Falls..... | C30D1 | 18.45 | 125 | 19.32 | 127 |
| Kingston..... | C44D1 | 110.90 | 650 | 122.00 | 730 |
| Lakefield..... | C18D1 | 23.35 | 88 | 25.37 | 97 |
| Lindsay..... | C29D1 | 13.65 | 71 | 20.23 | 120 |
| Millbrook..... | C25D1 | 19.08 | 100 | 19.08 | 113 |
| Napanee..... | C43D1 | 107.72 | 510 | 110.35 | 539 |
| Newcastle..... | C22D1 | 26.35 | 121 | 27.08 | 121 |
| Norwood..... | C31D1 | 7.70 | 59 | 7.70 | 61 |
| Oshawa..... | C24D1 | 100.74 | 1,484 | 113.68 | 1,509 |
| Omeme..... | C26D1 | 3.00 | 2 | 3.00 | 2 |
| Peterborough..... | C20D1 | 60.65 | 998 | 62.90 | 1,072 |
| Stirling..... | C35D1 | 27.43 | 109 | 27.81 | 110 |
| Trenton..... | C3D1 | 41.55 | 202 | 41.55 | 201 |
| Warkworth..... | C49D1 | 0.40 | 6 | 0.40 | 6 |
| Wellington..... | C45D1 | 89.88 | 378 | 89.88 | 390 |
| ST LAWRENCE DISTRICT | | | | | |
| Alexandria..... | L15D1 | 20.33 | 105 | 20.33 | 106 |
| Brockville..... | L3D1 | 92.56 | 629 | 96.71 | 664 |
| Chesterville..... | L5D1 | 46.87 | 331 | 47.52 | 349 |
| Iroquois..... | L9D1 | 90.17 | 411 | 90.42 | 434 |
| Martintown..... | L13D1 | 20.94 | 138 | 21.79 | 142 |
| Maxville..... | L14D2 | 59.22 | 377 | 62.07 | 384 |
| Prescott..... | L2D1 | 37.17 | 212 | 37.07 | 201 |
| Williamsburg..... | L7D1 | 12.74 | 67 | 17.61 | 100 |
| RIDEAU DISTRICT | | | | | |
| Carleton Place..... | H5D1 | 0.50 | 4 | 0.50 | 2 |
| Perth..... | H2D1 | 14.82 | 56 | 15.07 | 59 |
| Smiths Falls..... | H3D1 | 54.43 | 337 | 54.53 | 353 |
| Kemptville..... | H9D1 | 5.43 | 42 | 5.43 | 44 |
| MADAWASKA DISTRICT | | | | | |
| Arnprior..... | QM10D1 | 4.97 | 58 | 4.97 | 55 |
| Renfrew..... | QM16D1 | 5.12 | 9 | 5.12 | 10 |
| OTTAWA DISTRICT | | | | | |
| Nepean..... | T1D1 | 176.64 | 1,047 | 181.87 | 1,092 |
| THUNDER BAY SYSTEM | | | | | |
| Fort William..... | P10D1 | 26.27 | 80 | 48.63 | 143 |
| Port Arthur..... | P2D1 | 10.18 | 43 | 29.67 | 119 |

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Concluded

| Rural power district | Property number | At October 31, 1932 | | At October 31, 1933 | |
|-------------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|
| | | Miles of primary line constructed | Number of consumers receiving service | Miles of primary line constructed | Number of consumers receiving service |
| NORTHERN ONTARIO SYSTEM | | | | | |
| NIPISSING DISTRICT | | | | | |
| North Bay..... | Z4D1 | 8.56 | 278 | 8.82 | 302 |
| Powassan..... | Z8D1 | 3.32 | 7 | 3.25 | 11 |
| MANITOULIN DISTRICT | | | | | |
| Manitoulin..... | FM1D1 | 16.00 | ..... | 37.25 | 180 |

DISTRIBUTION FEEDER CONSTRUCTION

During the year ended October 31, 1933, the following work was carried on in connection with distribution feeders.

N 159 x 2—Lincoln Distributing Station to Port Dalhousie

When the Welland canal was unwatered the two submarine cables crossing above lock 4 were exposed and created a hazard. The older of these cables had been broken down by lightning and was found to be unsuitable for 4,000-volt service.

An overhead crossing was installed and the submarine cables were salvaged. The newer cable was used by Welland rural power district to cross the Welland ship canal at bridge No. 12.

Old sectionalizing switches were replaced by the "dropout" type. The work was completed October 20, 1933.

N 248 x 74—Dundas Rural Station to Binkleys Corners

This circuit which is carried on transmission line poles was rebuilt and brought up to present standards of construction when the transmission line was reinsulated for a higher voltage. A separate crossing was made at the Desjardins canal at Dundas rural station. The work was completed April 18, 1933.

N 439 x 20—Dorchester Distributing Station to Dorchester

This line was re-routed with larger conductors for the purpose of bettering the regulation at Dorchester and on the rural system beyond Dorchester, deteriorated poles and crossarms on the old part of the line were also replaced with new equipment. This work was completed June 2, 1933.

N 1138 x 10—Aylmer Distributing Station to Springfield

The conductors on this line from the Aylmer distributing station to the northern limits of Aylmer were replaced with conductors of a larger size. The pole line between these two points, which is the property of Aylmer was completely rebuilt. This work was completed February 19, 1933.

N 1138 x 41—Aylmer Distributing Station to Malahide Distributing Station

This line was re-routed for a portion of the distance through Aylmer with larger conductors and with the type of construction changed primarily to reduce the interruptions caused by tree interference. This work was completed February 19, 1933.

N 1206 x 15—Simcoe Municipal Station to Port Dover

A 26,400-volt transmission line has been supplying the Port Dover load for some time through the Port Dover distributing station.

The feeder line has been supplying the rural power district and will be maintained for that purpose and capital representing 6.29 miles will be transferred to Simcoe rural power district as of November 1, 1932.

N 1233 x 16—St. George Distributing Station to Brantford Sand and Gravel Company

The companies at the end of this line have not been operating for some time and during the year the metering equipments at the Brantford Sand and Gravel Company and the Mohawk Sand and Gravel Company were removed.

A rural extension taps off the end of the feeder line and several rural consumers and extensions are fed off the line at different points.

The line will be maintained to serve the rural consumers and a portion of the capital has been transferred to Brant rural power district. This has been done as of November 1, 1932.

N 1274 x 14—Plattsville Junction to Wolverton Mills

The company served by this feeder line has not been operating for some time but sufficient rural consumers have been connected to carry the line, which has been transferred to the Drumbo rural power district at the present day replacement cost. This transfer was made as of November 1, 1932.

N 1456 x 27—Merlin Distributing Station to Denison Tile Company

The company served by this feeder line has not been operating for over two years and the transformers and metering equipment have been removed. The line will be maintained to serve rural consumers north and west of Fletcher, and the line with a portion of the capital equivalent to a single-phase line has been transferred to Merlin rural power district as of November 1, 1932.

E 10 x 1003—Shelburne Distributing Station to Hornings Mills

Previous to the end of the fiscal year 1932, several rural extensions were added to this line and finally the hamlet of Hornings Mills was converted to rural. This line was therefore transferred to Shelburne rural power district as of November 1, 1932.

E 13 x 1302—Grand Valley Distributing Station to Arthur

The rehabilitation of the Grand Valley to Arthur 4,000-2,300-volt distribution feeder was carried out.

A thorough examination of each pole was made to determine residual strength. The earth was removed from each pole to a depth of approximately one foot, loose rot removed and the extent of internal rot determined by an increment borer.

It was found that approximately 20 per cent. of the poles needed replacing. In a few locations where trees were heavy the line was relocated to give more clearance. As there is a voltage regulator at Grand Valley no change was made in the conductor sizes. Several transpositions were installed and some of the conductors re-sagged.

This line was built in 1900 and the exceptional long life of the poles is probably due to the low lying clay ground through which the line passes.

The rehabilitation work was 95 per cent complete at October 31, 1933.

MUNICIPAL SYSTEMS

The following work was done in connection with Municipal Systems.

Aylmer Distribution System

A portion of the Aylmer distribution system was rebuilt in order to improve the service and provide for future increase in load. This work was completed April 18, 1933.

London Township Street Lighting

The street lighting system in London township was extended on the Proof Line road west to the river. This work was completed October 17, 1933.

Mildmay Distribution System

The distribution system in Mildmay was purchased from the Mildmay Electric Company and sold to the village of Mildmay in 1932.

During 1932 an estimate was prepared to cover the cost of putting the system into a good operating condition and changing the voltage from 2,200 volts to 4,000-2,300 volts. During 1933, at the request of the Mildmay Hydro-Electric System, the distribution system was rebuilt in accordance with this estimate. The poles were tested and replaced where necessary. The secondary wiring was completely replaced and transformers were relocated. The street lighting was changed from series to multiple, using the existing brackets except on the main street where ornamental brackets were installed on both sides of the street.

In order to change the voltage a new station (Walkerton rural station) was placed in service on the site of the Walkerton generating station to step the voltage from 2,200 volts to 4,000-2,300 volts and the line from this station to Mildmay changed to 4,000-2,300 volts.

This work was commenced on July 29, 1933 and completed on October 23, 1933.

Port Carling Distribution System

During the past year a short primary extension of approximately 0.6 of a mile of 2,200-volt primary line was constructed in order to extend electric service to four summer consumers.

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| Cost of Power..... | 242 | Statements..... | C, 403; D, 422; E, 438 |
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| Municipal Accounts..... | A, 318; B, 364 | Sinking Fund..... | 207 |
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| Credit or Charge Account..... | 202 | Sinking Fund..... | 256 |
| Sinking Fund..... | 208 | Municipal Accounts..... | A, 337; B, 383 |
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| Credit or Charge Account..... | 198 | Cost of Power..... | 242 |
| Sinking Fund..... | 207 | Operating Report..... | 248 |
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| Cost of Power..... | 182 | | |
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| Credit or Charge Account | 198 |
| Sinking Fund | 207 |
| Municipal Accounts | A, 319; B, 365 |
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| Municipal Accounts | A, 319; B, 365 |
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| Sinking Fund | 256 |
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| Municipal Accounts | A, 329; B, 375 |
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| Credit or Charge Account | 252 |
| Sinking Fund | 256 |
| Municipal Accounts | A, 338; B, 384 |
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| Williamsburg Rural Power District—Load in Horsepower | 48 |
| Miles of Line, Consumers and Rates | 87 |
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| Credit or Charge Account | 252 |
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| Municipal Accounts | A, 338; B, 384 |
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| Credit or Charge Account | 228 |
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| Municipal Accounts | A, 329; B, 375 |
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| Municipal Accounts | A, 329; B, 375 |
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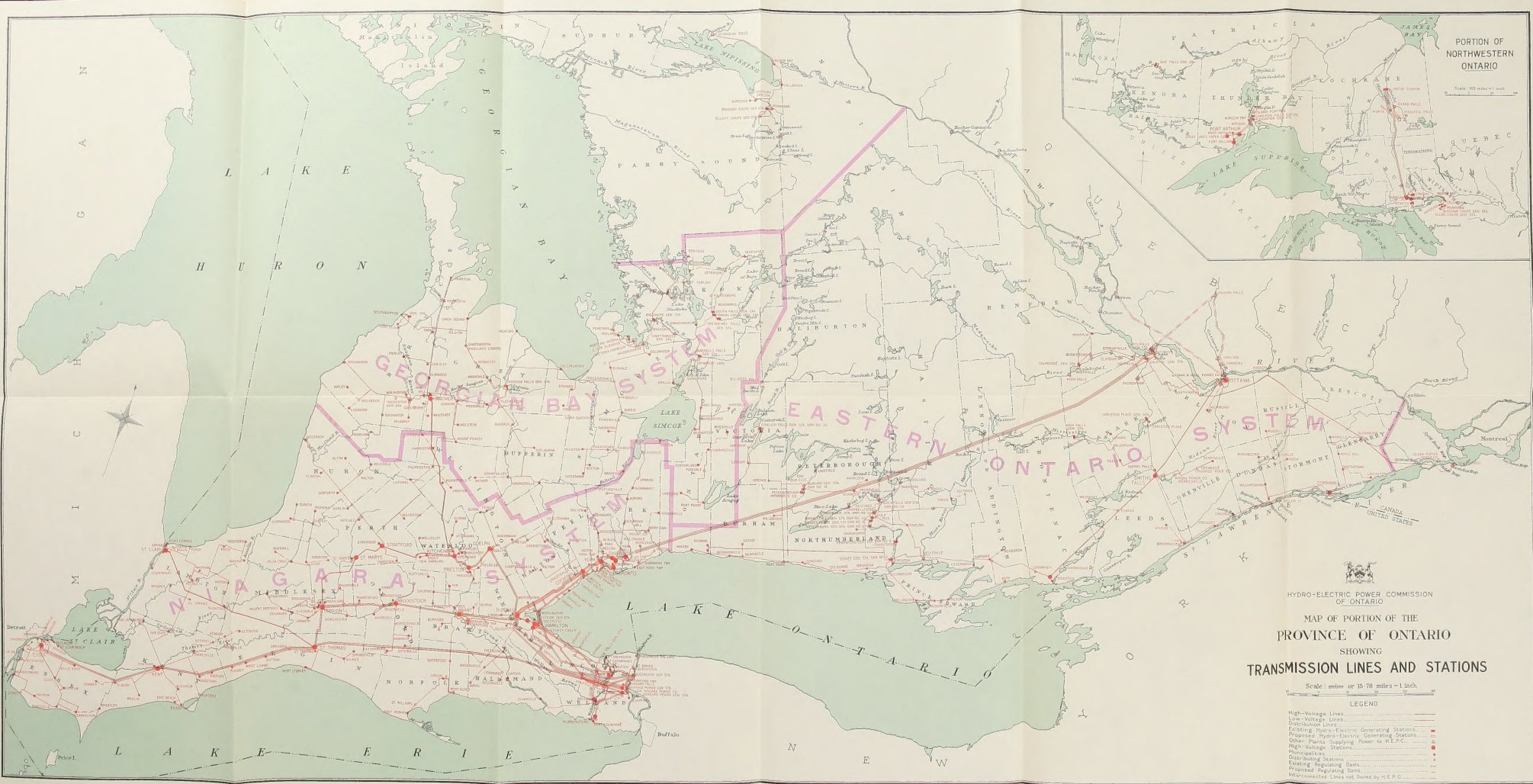
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| Credit or Charge Account | 198 |
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| Municipal Accounts | A, 319; B, 365 |
| Statements | C, 404; D, 422; E, 438 |
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| Cost of Power | 216 |
| Credit or Charge Account | 228 |
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| Municipal Accounts | A, 329; B, 375 |
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| Cost of Power | 220 |
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| Cost of Power | 168 |
| Credit or Charge Account | 198 |
| Sinking Fund | 207 |
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| Municipal Accounts | A, 320; B, 366 |
| Statements | C, 404; D, 422; E, 438 |



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